

10¢

Operating/Service Instructions

GARDEN TRACTOR

WITH 32" ROTARY MOWER

IMPORTANT

SAFE OPERATION PRACTICES - RIDING MOWERS

1. Know the controls and how to stop quickly—**READ THE OWNER'S MANUAL.**
2. Do not allow children to operate vehicle. Do not allow adults to operate it without proper instruction.
3. Do not carry passengers. **Keep children and pets a safe distance away.**
4. Clear work area of objects which might be picked up and thrown.
5. Disengage all attachment clutches and shift into neutral before attempting to start engine (motor).
6. Disengage power to attachments and stop engine (motor) before leaving operator position.
7. Disengage power to attachment(s) and stop engine (motor) before making any repairs or adjustments.
8. Disengage power to attachments when transporting or not in use.
9. Take all possible precautions when leaving vehicle unattended; such as disengaging power-take-off, lowering attachments, shifting into neutral, setting parking brake, stopping engine and removing key.
10. Do not stop or start suddenly when going uphill or downhill. Mow up and down the face of steep slopes; never across the face.
11. Reduce speed on slopes and in sharp turns to prevent tipping or loss of control. Exercise extreme caution when changing direction on slopes.
12. Stay alert for holes in terrain and other hidden hazards.
13. Use care when pulling loads or using heavy equipment.
 - A. Use only approved drawbar hitch points.
 - B. Limit loads to those you can safely control.
 - C. Do not turn sharply. Use care when backing.
 - D. Use counterweight(s) or wheel weights when suggested in owner's manual.
14. Watch out for traffic when crossing or near roadways.
15. When using any attachments never direct discharge of material toward bystanders nor allow anyone near vehicle while in operation.
16. Handle gasoline with care—it is highly flammable
 - A. Use approved gasoline container.
 - B. Never remove cap or add gasoline to a running or hot engine or fill fuel tank indoors. Wipe up spilled gasoline.
 - C. Open doors if engine is run in garage—exhaust fumes are dangerous. Do not run engine (motor) indoors.
17. Keep vehicle and attachments in good operating condition and keep safety devices in place. Use guards as instructed in owner's manual.
18. Keep all nuts, bolts, and screws tight to be sure equipment is in safe working condition.
19. Never store equipment with gasoline in the tank inside a building where fumes may reach an open flame or spark.
20. Allow engine to cool before storing in any enclosure.
21. To reduce fire hazard keep engine free of grass, leaves or excessive grease.
22. Vehicle and attachments should be stopped and inspected for damage after striking a foreign object and the damage should be repaired before restarting and operating the equipment.
23. Do not change engine governor settings or over-speed engine.
24. When using vehicle with mower:
 - (1) Mow only in daylight or in good artificial light.
 - (2) Never make a cutting height adjustment while engine (motor) is running if operator must dismount to do so.
 - (3) Shut engine (motor) off when removing grass catcher and/or unclogging chute.
 - (4) Check blade mounting bolts for proper tightness at frequent intervals.
25. Check grass catcher bags frequently for wear or deterioration. Replace with new bags for safety protection.

Model Nos.

142-669 (Electric Starter)
192-651 (32" Mowing Unit)

WARNING

The mower shall not be operated without the entire grass catcher or chute deflector in place.

NOTE

Under normal usage bag material is subject to wear, and should be checked periodically. Be sure any replacement bag complies with the mower manufacturer's recommendations.

Use factory replacement bag Number 764-122.

ASSEMBLY

The steering wheel, seat and deck wheels, with the necessary hardware, are easily assembled to the machine. The battery must be activated and installed as outlined in this section and the cutting deck must be attached.

TOOLS NEEDED

Hammer
3/4" open end wrench or adjustable wrench
7/16" open end wrench
Pliers

HARDWARE SUPPLIED

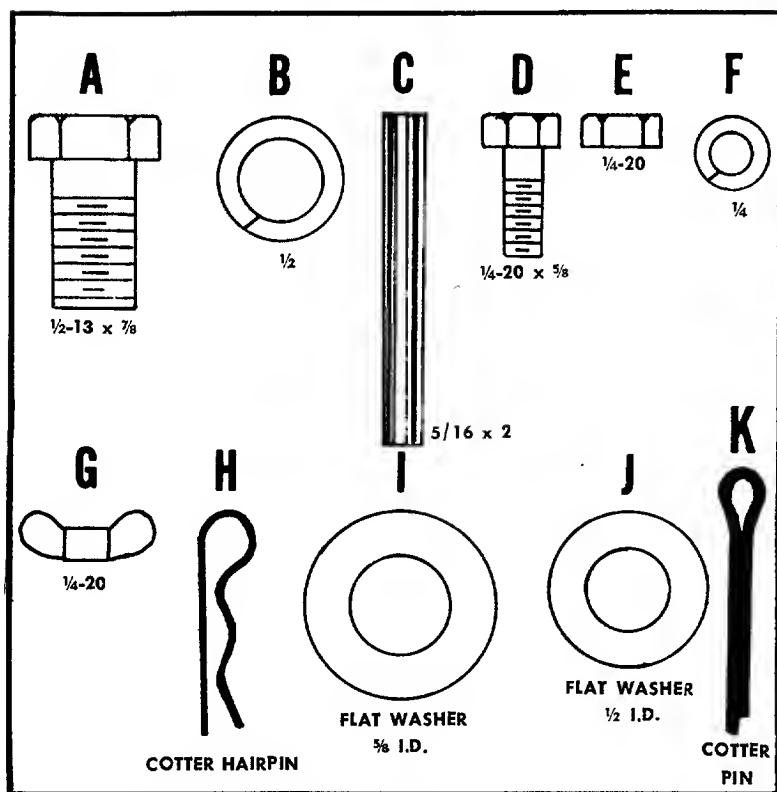


FIGURE 5. FRONT LINK ASSEMBLY

Step 1. Assemble the seat to the seat spring with the 1/2 x 7/8" hex head bolt (A) and 1/2" lockwasher (B).

NOTE

The seat is adjustable by using one of the four different mounting holes. See figure 1.

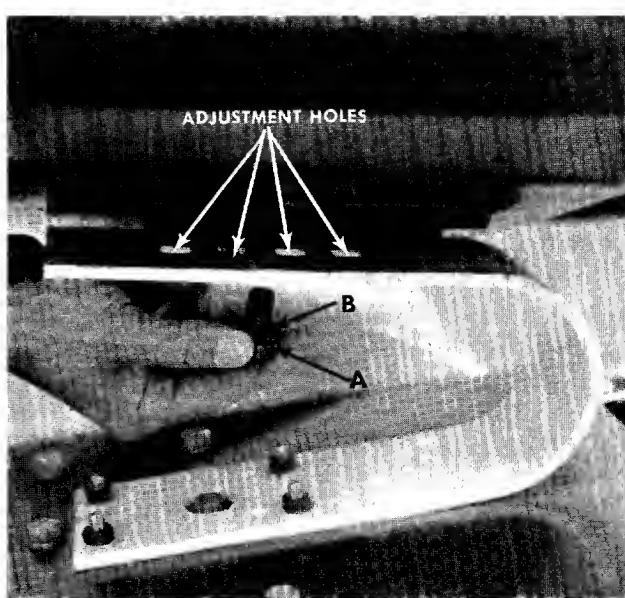


FIGURE 1. SEAT ASSEMBLY

Step 2. Assemble the steering wheel to the steering column, line up the hole and drive the roll pin (C) with a hammer. See figure 2.

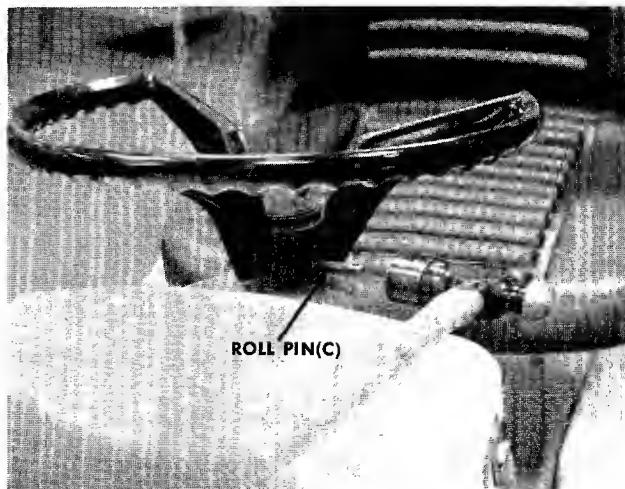


FIGURE 2. STEERING WHEEL ASSEMBLY

Step 3. Activate the battery.

CAUTION

Always add electrolyte to battery before battery is installed in vehicle.

1. Remove vent plugs.
2. When using 6 quart or 2 quart container—place package upright; pull tab back to edge of carton, pull out hose; snip off end of hose. Fill each cell until electrolyte level rises to split ring at bottom of vent well.

DO NOT OVER FILL

3. After filling cells, wait five to ten minutes and add additional electrolyte if necessary to bring electrolyte to proper level.
4. Replace vent caps.
5. Charge battery for 10 to 15 minutes at 25-30 amps. or for 30 minutes at 4-6 amps.

WARNING

Electrolyte is a mixture of sulphuric acid and water. Avoid contact with skin, eyes, and clothing. If electrolyte is spilled flush area with clear water and neutralize with solution of water and baking soda or water and ammonia.

Step 4. Installing the battery in the mower.

- a. Open the hood of the mower.
- b. Place the battery, with the terminals to the rear in the battery case. See figure 3.

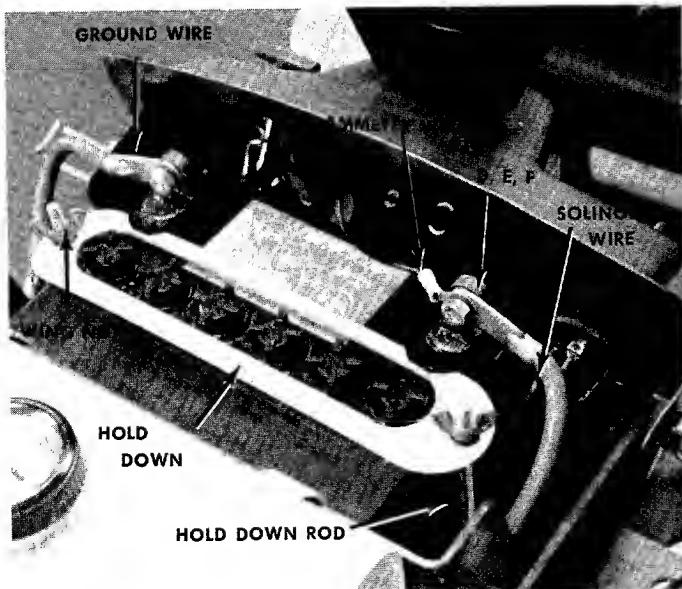


FIGURE 3. INSTALLING THE BATTERY

- c. Hook both hold down rods under the battery case and place the hold down over the battery caps and secure with wing nuts (G).

CAUTION

Be sure the flared edge of the hold down is facing up to avoid damage to the battery.

- d. Attach the free end of the positive cable and the small wire from the ammeter to the positive battery terminal with bolt (D), washer (F) and nut (E).
- e. Attach the free end of the negative cable to the negative terminal of the battery. Use bolt (D), washer (F), and nut (E).

Step 5. Deck Wheel Assembly.

Place the deck wheel over the deck axle and secure it with washer (I) and cotter pin (K). See figure 4.



FIGURE 4. DECK WHEEL ASSEMBLY

Step 7. Attach the Cutting Deck.

- a. Move the blade engagement lever forward. See page
- b. Slide the cutting deck under the tractor so it is centered and is back as far as it can go against the rear rider wheels.
- c. From the front of the rider, grasp both front links and hook them in the pins in the frame and secure with cotter pins (H). See figure 5.

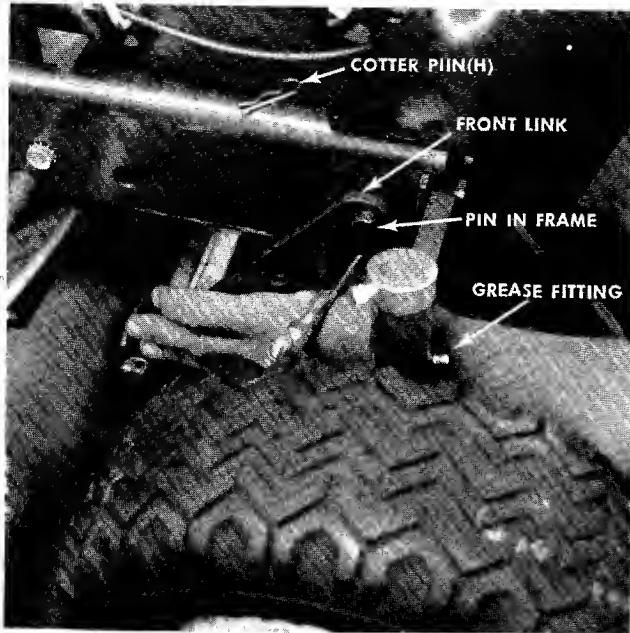


FIGURE 5. FRONT LINK ASSEMBLY

- d. Place the two center links through the hole in the foot rest and attach the short slotted link to the pin in the lift arm and attach the long link to the pin in the frame. See figure 6.

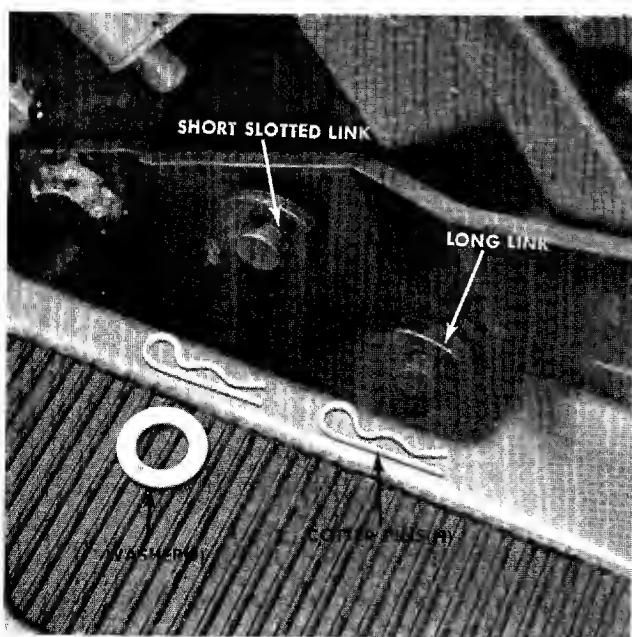


FIGURE 6. CENTER LINK ASSEMBLY

- e. Place washer (J) over the short slotted link and secure both links with cotter pins (H). See figure 6.
- f. Remove the bolt holding the front of the belt guard in place on the engine and swing the belt guard out of the way. See figure 7.

NOTE

The belt trap will be loose but will align itself when the bolt is replaced.

WARNING

Be sure the ignition key is off and the spark plug wire is removed and grounded when the belt is being replaced.

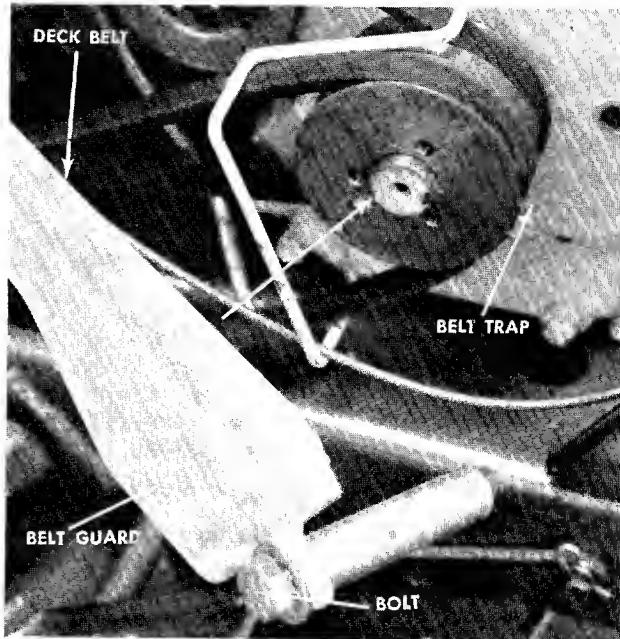


FIGURE 7. ATTACHING THE BELT

- g. Attach the belt to the engine pulley.
- h. Assemble the belt guard back on the rider.

The controls may be considered as the following.

a. **Throttle Control.** The throttle control is used to regulate the engine speed and choke the engine. The engine should be operated from $\frac{3}{4}$ to full throttle when operating the cutting deck or snow thrower.

b. **Gear Shift Lever.**

1st Gear:

Heavy grass cutting
Snow Blade
Snow Thrower
Pulling heavy loads

2nd Gear:

Normal grass cutting
Light snow throwing

3rd Gear:

Light grass cutting
Road Gear

Reverse:

Used to back up

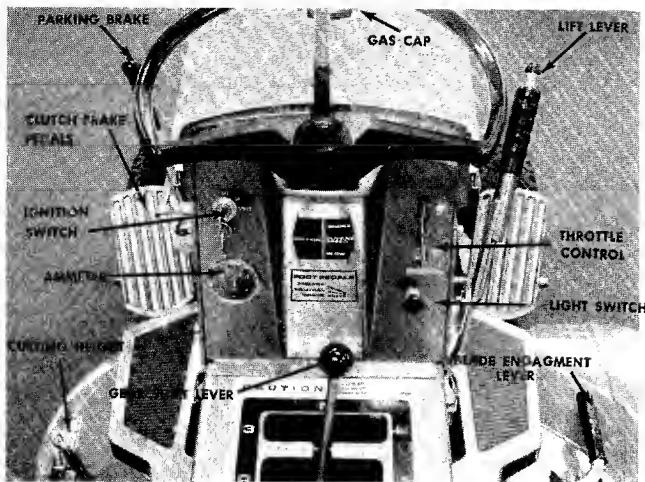


FIGURE 8. CONTROLS

c. **Parking Brake.** To set the parking brake, pull the lever back and hold it in the locked position by moving the lock to the left. See figure 9.



FIGURE 9. PARKING BRAKE

d. **Clutch-Brake Pedal.** Depress it all the way down to stop or shift gears. Release pedal slowly to engage. The pedal must be depressed in order to start the engine.

CAUTION

Do not shift while in motion.

e. **Blade Engagement Lever.** Move the blade engagement lever forward to stop the blades from turning on the cutting deck. To engage the blades, slowly move the lever back.

NOTE

The blades must be disengaged before the cutting deck can be raised high enough to trip the interlock so the engine can be started.

f. **Lift Lever.** To raise the cutting deck or other equipment, depress the thumb button and pull the lever towards you. The lift lever must be all the way up in order to start the engine.

NOTE

The deck will not raise up high enough to start the engine unless the blades are disengaged.

g. **Ignition Switch.** Turn the switch all the way to the right to engage the starter. As soon as the engine starts, release the ignition key so that the starter is switched off. Turn the key to the left to shut off the engine.

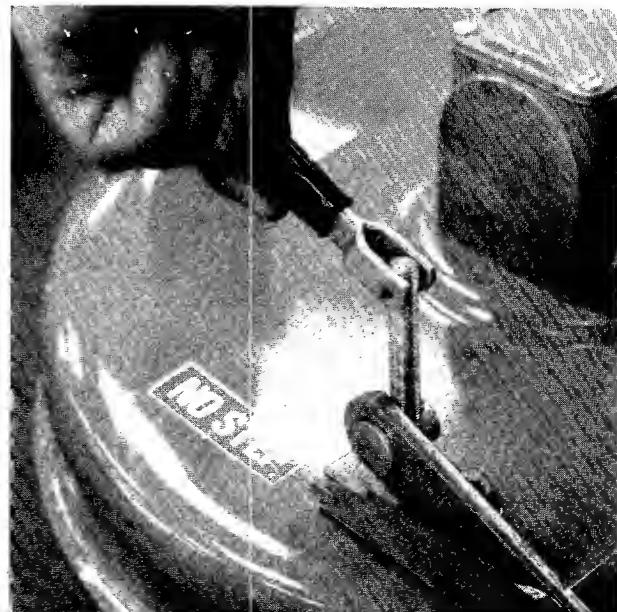
NOTE

The clutch-brake pedal must be depressed and the lift lever must be raised all the way before the starter will operate.

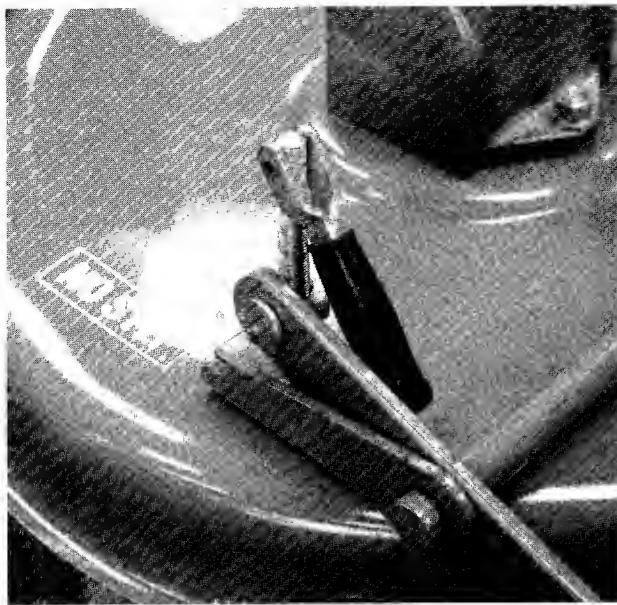
h. **Light Switch.** Pull the light switch out to turn on the lights.

i. **Ammeter.** The ammeter registers the rate of battery charge or discharge. The ammeter should register on the plus (+) side when the engine is running in the fast position until the battery is completely charged. With a fully charged battery or with the engine idling the ammeter will not show a charge.

j. **Cutting Height.** Turn the cutting height arm, located on the L.H. side of the cutting deck, clockwise to lower the cutting height. The height of cut can be adjusted from $\frac{5}{8}$ " to $2\frac{1}{8}$ ". See figure 10. To prevent the cutting height arm from unscrewing, lock it as shown in figure 11.



5 FIGURE 10. ADJUSTING CUTTING HEIGHT



**FIGURE 11. ADJUSTMENT LOCKED
CHECKING OIL AND GASOLINE**

NOTE

When packaged for shipment, the machine contains no oil or gasoline. Before starting the engine, oil must be added to the engine crankcase and gasoline to the tank. DO NOT mix oil with gasoline.

Oil

Remove the oil dip stick (See figure 12) and pour 2 1/4 pints of good quality type MS engine oil into the crank case.

Summer

Use SAE 30

Winter (Below 40° F)

Use SAE 5W-20 or SAE 10W

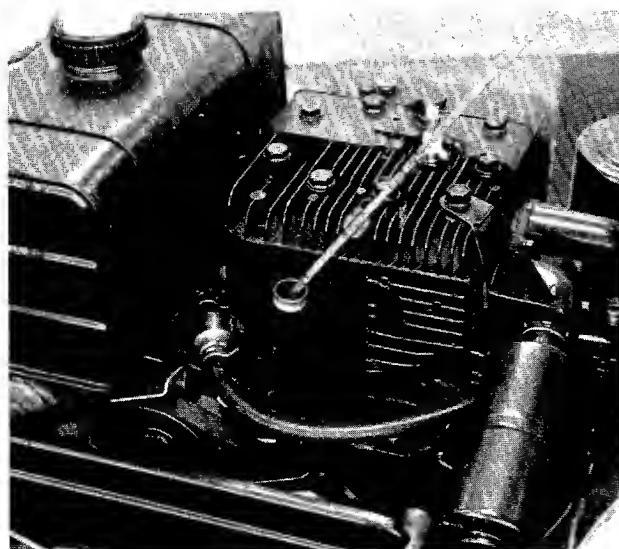


FIGURE 12. OIL DIP STICK

Gasoline

Remove the gas cap and fill the tank with FRESH REGULAR GASOLINE. Do not use gasoline that has been stored for any length of time.

STARTING THE ENGINE

Refer to the engine manual for information regarding oil and gasoline requirements, check that spark plug wire is connected, then proceed as follows:

- Step 1. With the machine set on level ground place gear shift lever in neutral (N). See figure 13.
- Step 2. Place the lift lever in the DISENGAGE position. See figure 13.

NOTE

The blade engagement lever must be disengaged before the lift lever can be raised.

- Step 3. Squeeze the clutch brake pedals.

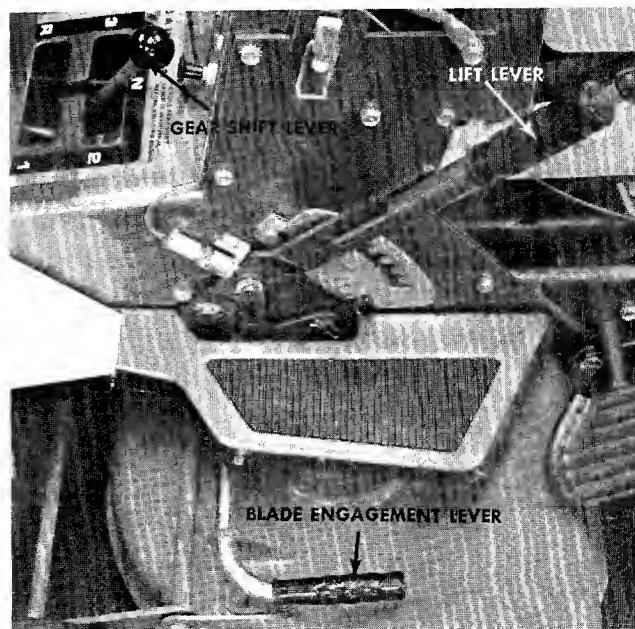


FIGURE 13. CONTROLS

- Step 4. Set the throttle control in the CHOKE position.
- Step 5. Turn the ignition key to the right to start the engine. Allow the key to return to the ON position. See figure 14.



FIGURE 14. IGNITION SWITCH LABEL

NOTE

A brief break-in period is essential to ensure maximum engine and mower life. This consists of running the engine at half speed for a period of time required to use one tank of gasoline. It is also recommended to change crankcase oil after the first 2 hours of operation.

Step 6. Set the desired cutting height. See figures 10 and 11.

Step 7. Lower the cutting deck with the lift lever. See figure 13.

Step 8. Slowly engage the blade engagement lever. See figure 13.

7. STOPPING THE ENGINE

To stop the engine, turn the ignition key to the left to the OFF position. Do not leave the key in the ignition switch.

WARNING

Whenever the mower is left unattended, disconnect the spark plug lead and remove the ignition key.

8. STOPPING THE BLADES

Move the blade engagement lever forward to stop the blades from turning. See figure 13.

9. STOPPING THE RIDER

To stop the rider from moving forward or backward, depress the clutch-brake pedal. See figure 8.

CAUTION

1. Keep all shields and guards in place.
2. Before leaving operator's position:
 - Shift transmission to neutral
 - Set parking brake
 - Disengage attachment clutch
 - Shut off engine
 - Remove ignition key
3. Wait for all movement to stop before servicing machine.
4. Keep people and pets a safe distance away from machine.

MAINTENANCE

10. CRANKCASE OIL

To ensure maximum engine performance, perform the following periodic maintenance:

a. Oil Check

Check the oil level in the crankcase before each use of the machine and after every two hours of operation. Keep the oil level between ADD and FULL. See figure 12.

b. Oil Change

After the first two hours of operating a new engine, drain the oil (See figure 15.) from the crankcase while engine is still hot and refill crankcase with new oil; thereafter change the oil after every 25 hours of operation. This procedure ensures for minimum wear of engine parts and provides for virtually trouble-free operation. To change the oil, proceed as follows:

Step 1. Remove oil filler plug.

Step 2. Drain the oil through the hole in the frame.

Step 3. Fill crankcase with 2½ pints of good quality oil marked "For Service MS."

WINTER
(Below 40° F.)
Use SAE 5W-20

SUMMER
(Above 40° F.)
Use SAE 30

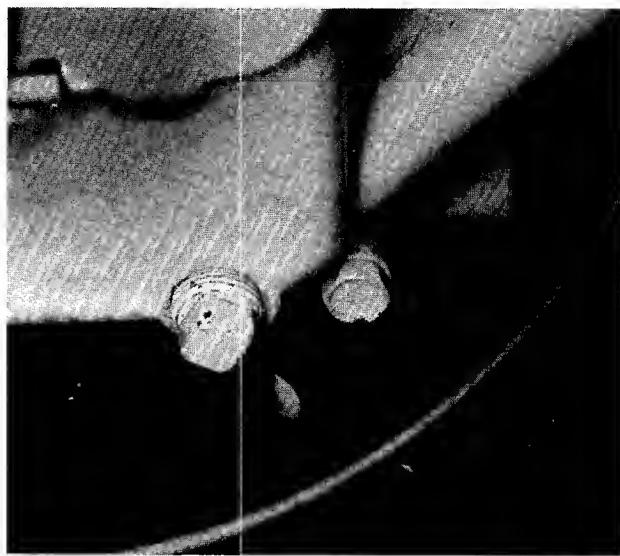


FIGURE 15. OIL DRAIN PLUG

11. TRANSAXLE LUBRICATION

The transaxle is lubricated at the factory with three pints of SAE 90 E.P. oil. When replacing or adding oil, remove the left rear mounting bolt (See figures 16 and 17.) and the overflow plug (figure 16.) and add oil until it overflows. The transaxle oil should be changed once a year.

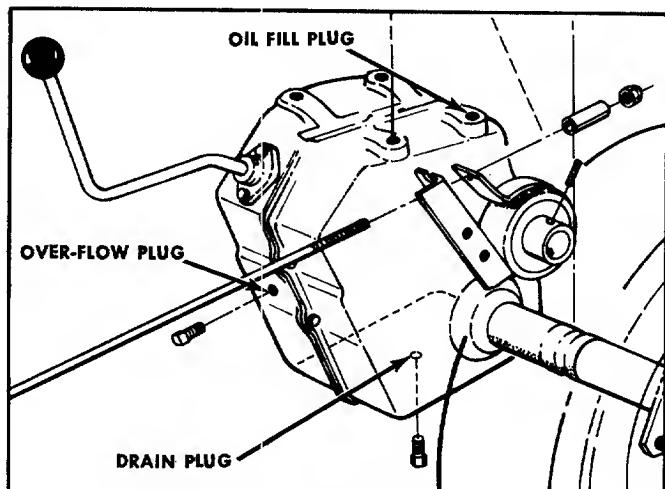


FIGURE 16. TRANSAXLE LUBRICATION

steering adjustment

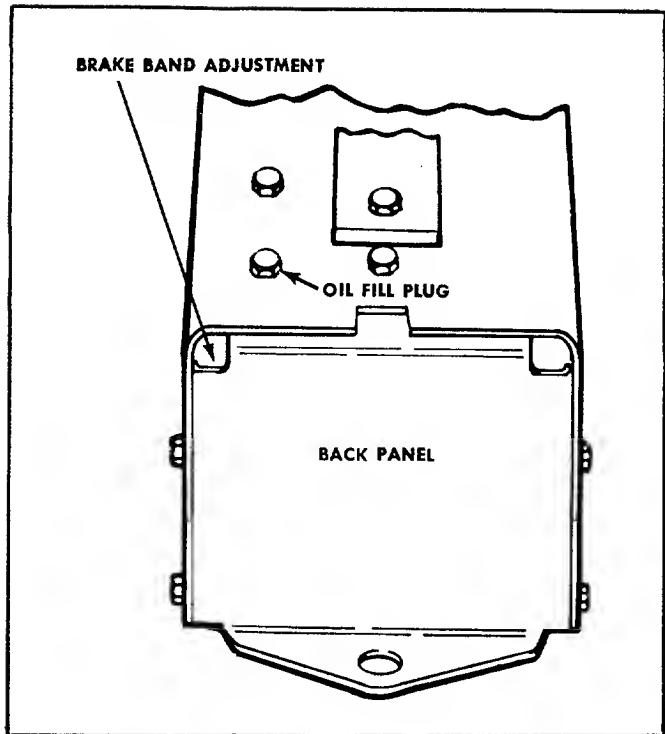


FIGURE 17. BACK PANEL

12. STEERING GEAR LUBRICATION

Lubricate the teeth on the steering segment, pinion gear and slide with automotive multi-purpose grease after every 24 hours of operation. See figure 18.

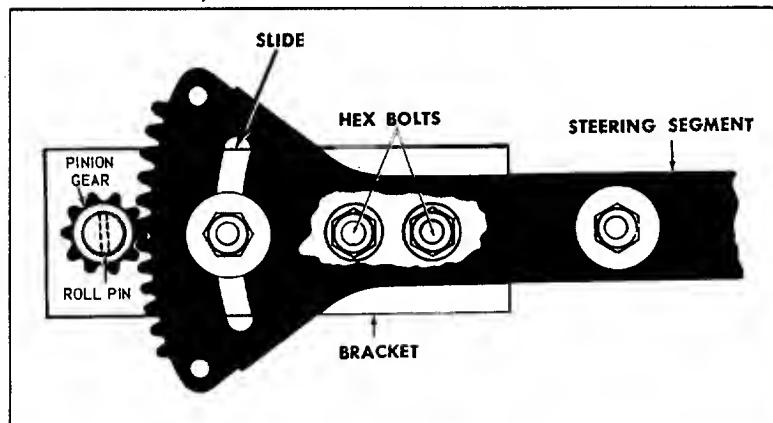


FIGURE 18. STEERING ASSEMBLY

13. WHEEL BEARING LUBRICATION

Front: Lubricate the front wheel bearings with SAE 30 non-detergent oil after every 24 hours of operation.

Rear: Lubricated by transaxle. Requires no further lubrication.

14. KING PIN LUBRICATION

Grease the front king pins with a grease gun using automotive multi-purpose grease after every 24 hours of operation. See figure 5.

15. DECK WHEEL LUBRICATION

The deck wheels require no lubrication.

16. RIGHT ANGLE DRIVE LUBRICATION

Check the lubricant level after every 24 hours of operation. Lubricate with 4 ounces of E.P.G. Lithium grease. The grease level should cover the input shaft. See figure 19.

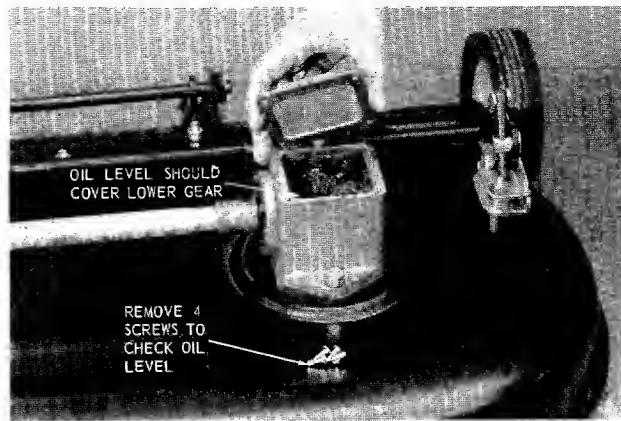


FIGURE 19. GEAR BOX LUBRICATION

17. AIR FILTER

Under normal operating conditions, the air cleaner, located on top of the carburetor, must be serviced after every ten hours of use. Under extremely dusty operating conditions, the air cleaner must be serviced after every hour of operation. See figure 20.

Step 1. Remove the wing nut and cover.

Step 2. Remove the paper element from the support base.

Step 3. To clean, tap the paper element (either top or bottom) on a flat surface or wash in a non-sudsing detergent and flush from the inside until the water is clear. After washing, air dry thoroughly before using.

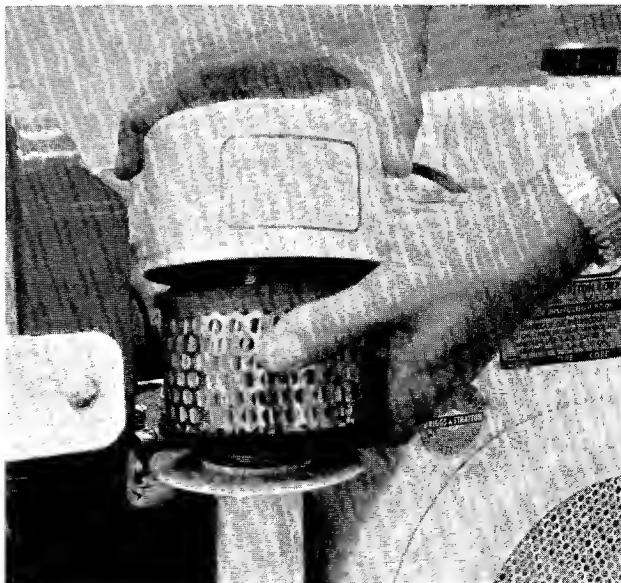


FIGURE 20. AIR FILTER

NOTE: DO NOT ALLOW SPRING TENSION IDLER TO PIVOT BEYOND THIS POINT WHEN BRAKE IS APPLIED. ADJUST BRAKE TO PLACE SPRING TENSION IDLER IN PROPER POSITION.

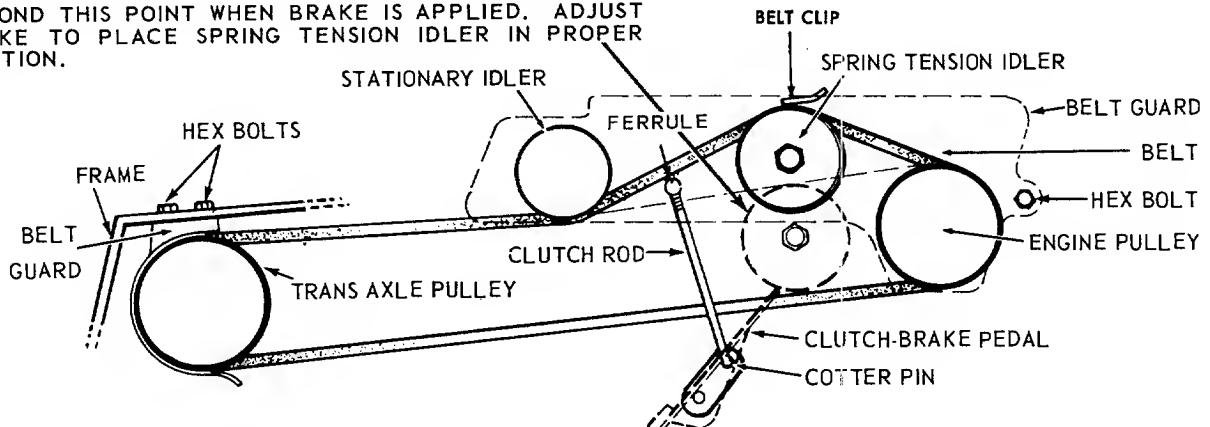


FIGURE 21. CLUTCH-BRAKE PEDAL ADJUSTMENT

18. CLUTCH-BRAKE PEDAL ADJUSTMENT

To adjust the angle of the clutch-brake pedal, remove the cotter pin on the clutch rod and turn the clutch rod in or out of the ferrule to obtain the most comfortable angle of the pedal when the pedal is released. See figure 21.

The brake adjustment is made by using a deep well socket and turning the adjusting nut clockwise through the opening in the back panel. See figure 17.

CAUTION

If the spring tension idler goes below the height of the engine pulley when the clutch-brake pedal is depressed it will cause excessive belt wear and the brake should be adjusted. See figure 21.

19. TRANSMISSION DRIVE BELT REPLACEMENT

Step 1. Remove the hex bolt holding the front of the belt guard and pivot it out of the way. See figure 21.

NOTE

If the cutting deck is attached, remove the cutting deck belt from the engine pulley first.

- Step 2. Mark the outside of the spring tension idler so it is assembled the same way.
- Step 3. Remove the hex bolt and locknut holding the pivot idler in place after noting the position of the belt clip.
- Step 4. Remove the belt from the engine pulley.
- Step 5. Remove the two hex bolts on the top of the rear frame holding the transmission pulley belt guard in place.
- Step 6. Remove the belt and replace it with a new belt.

20. CUTTING DECK BELT REPLACEMENT

- Step 1. Engage the blade engagement lever as shown in figure 22.
- Step 2. Loosen the pivot idler bolt and nut and remove the belt.
- Step 3. Remove the E-ring from the shaft and slide the collar towards the center of the deck.

NOTE

A small felt pad is between the shaft and the L.H. gear box.

- Step 4. Remove the bolts, washers and nuts holding the L.H. gear box and turn it to the side.
- Step 5. Remove and replace the belt.
- Step 6. Reassemble in reverse order.

CAUTION

Check the blade timing in paragraph 21.

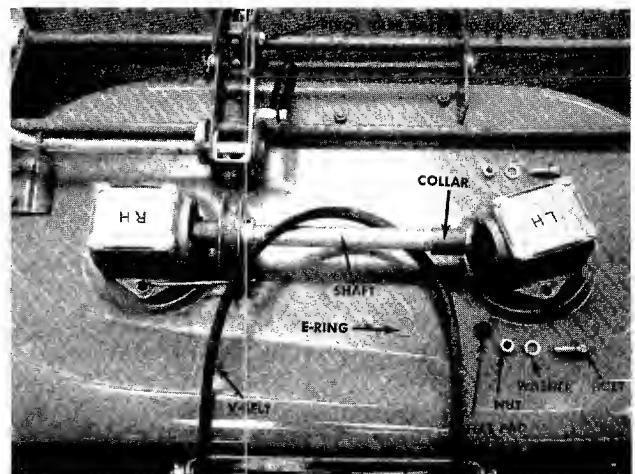


FIGURE 22. DECK BELT REPLACEMENT

21. BLADE TIMING

Timing of the blades consists of setting the blades at 90° to each other so they do not hit when they rotate. To time the blades, follow these steps.

- Step 1. Remove the cutting deck from the rider.
- Step 2. Remove the E-ring from the shaft. See figure 22.
- Step 3. Slide the collar towards the center of the deck.
- Step 4. Tip the deck up and rotate the blades until they match figure 23.
- Step 5. Slide the collar back and install E-ring.

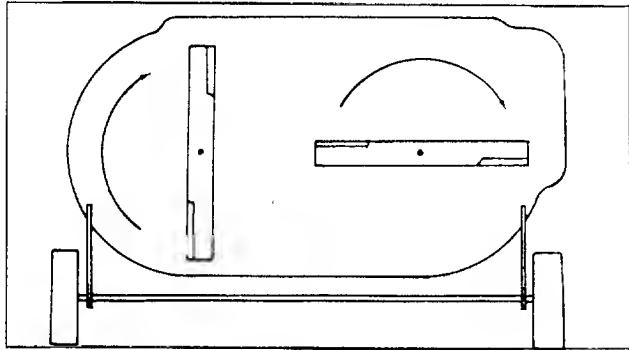


FIGURE 23. BLADE TIMING

22. BLADE REMOVAL

To remove the blades from the cutting deck, remove the deck from the rider, wrap a rag around the blade and remove the center locknut with a wrench. See figure 24.

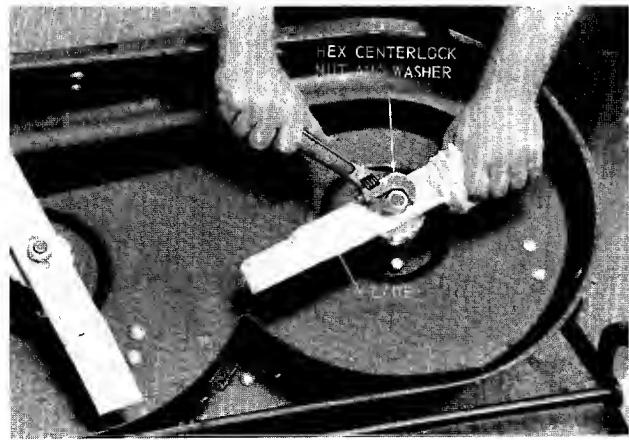


FIGURE 24. BLADE REMOVAL

23. WHEEL ADJUSTMENT

The caster (forward slant of the king pin) and the camber (tilt of the wheels out at the top) requires no adjustment. Automotive steering principals have been used to determine the caster and camber on the tractor. The front wheels should toe-in 1/8 inch. To adjust the toe-in follow these steps.

- Step 1. Loosen the hex jam nut. See figure 25.
- Step 2. Remove the locknut and drop the tie rod end out of the wheel bracket. See figure 25.

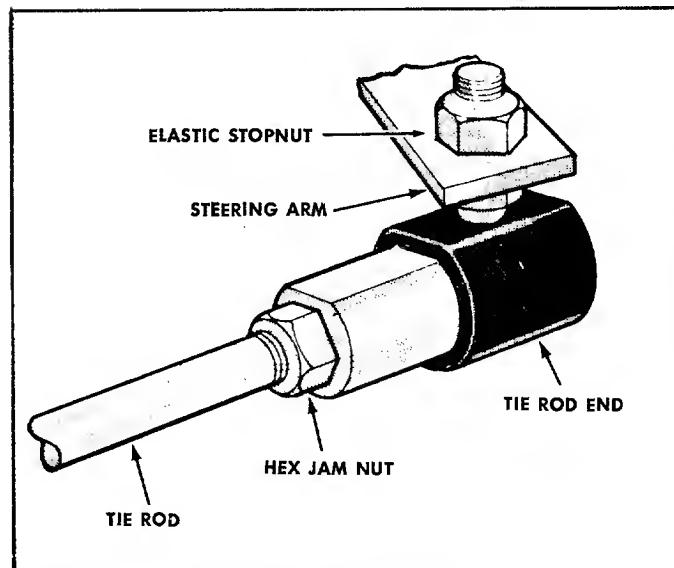


FIGURE 25. TIE ROD ADJUSTMENT

- Step 3. Adjust the tie rod end in or out to obtain the proper toe-in adjustment as shown in figure 26.

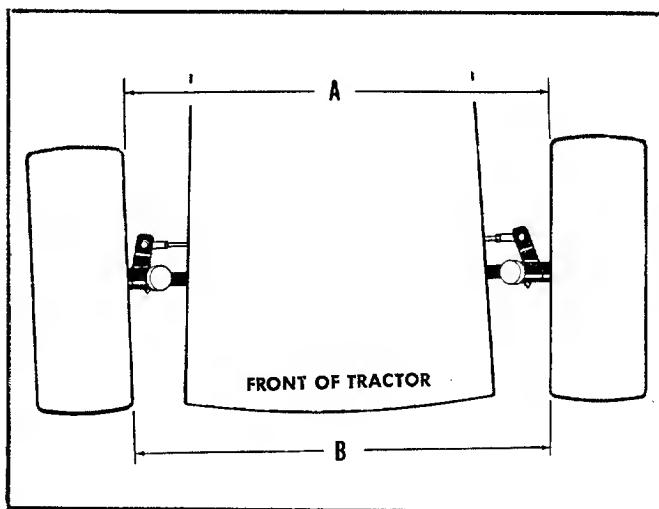


FIGURE 26. TOE-IN DIAGRAM

24. TIRE PRESSURE

Over-inflation may cause slippage of the rear wheels and under-inflation may cause excessive wear. Use 15 psi pressure on both front and rear tires.

24. TERRA TIRE ADJUSTMENT

When your tractor was first set-up the sleeve on the rear axle was on the outside of the wheel. If you use tire chains to operate the snow blade or snow blower, you must remove the snap ring on the rear axle, remove the sleeve and place it on the inside of the wheel in order to get clearance between the chains and the fender. The cutting deck wheels will hit if you try to attach the deck with the wheels extended. See figure 27.

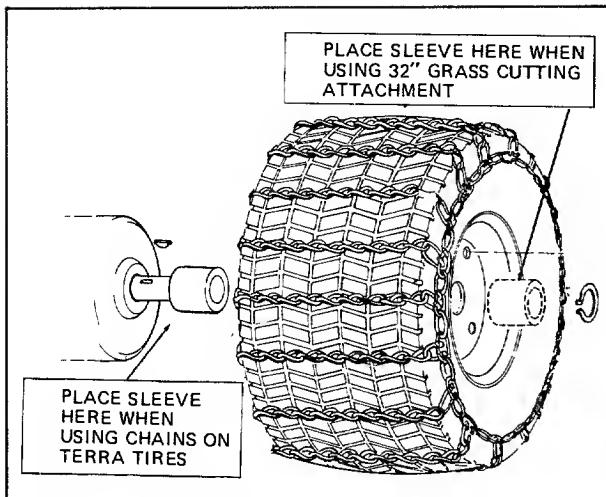


FIGURE 27. TERRA TIRE ADJUSTMENT

25. STEERING ADJUSTMENT

The "play" or looseness of the steering can be adjusted by loosening the two hex bolts on the bracket and lightly tapping the bracket towards the front of the tractor. If the pinion gear becomes worn it can be rotated one half turn by removing the roll pin. See figure 18.

26. FUEL SHUT-OFF VALVE AND FILTER

The fuel shut-off valve is located under the gasoline tank and is opened by turning it counter-clockwise. See figure 28.

The filter should be replaced once a year to insure operating your engine with clean fuel. To replace the filter, shut off the fuel valve and compress the legs of the clamps on both sides of the filter and slide them back. Replace the filter and replace the clamps. See figure 28.

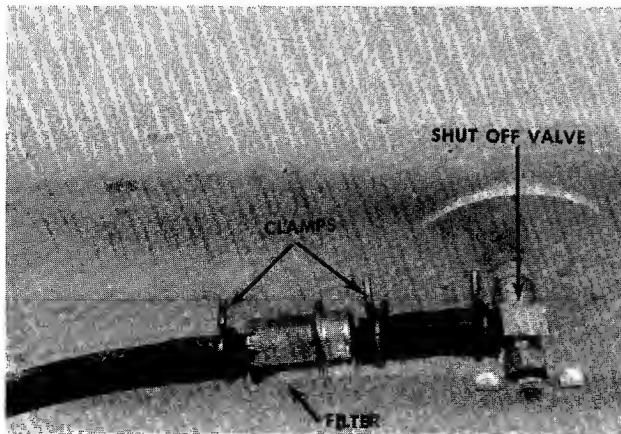


FIGURE 28. FUEL SHUT-OFF VALVE AND FILTER

27. PARKING BRAKE ADJUSTMENT

Step 1. To adjust the parking brake, set the parking brake in the lock position as shown in figure 29.

- Step 2. Using a 7/16" open end or box wrench, tighten the adjusting nut one turn.
- Step 3. Try pushing the tractor by hand. If the tractor is not locked in the park position, repeat steps 2 and 3 until you cannot move the tractor.

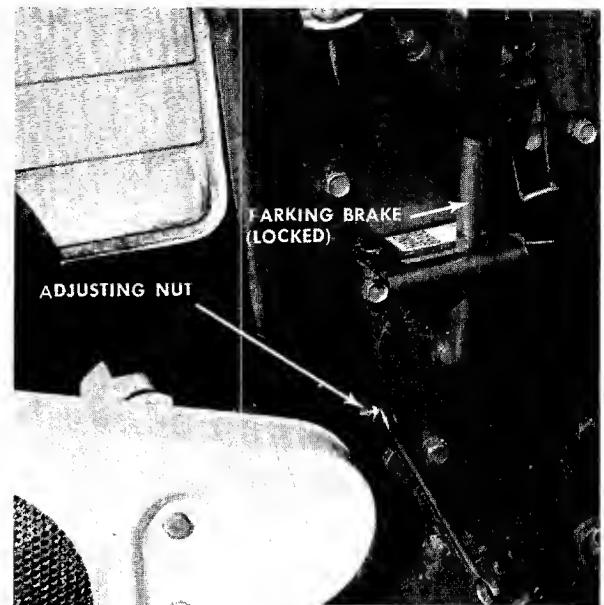


FIGURE 29. PARKING BRAKE ADJUSTMENT

28. OFF-SEASON STORAGE

If the machine is to be inoperative for a period longer than 30 days, the following precautions are recommended:

Step 1. Working outdoors, drain all fuel from the fuel tank. Use a clean dry cloth to absorb the small amount of fuel remaining in the tank, then run the engine until all fuel in carburetor is exhausted.

WARNING

Do not drain fuel while smoking, or if near an open fire.

Step 2. Drain all the oil from the crankcase (this should be done after the engine has been operated and is still warm) and refill the crankcase with clean new oil.

Step 3. Disconnect the spark plug wire and remove the spark plug from the cylinder. Pour about six drops of engine oil into the cylinder, and then pull the recoil starter several times to spread the oil on the cylinder wall. Replace the spark plug, but DO NOT connect the wire.

Step 4. Clean the engine and the entire mower thoroughly.

Step 5. Lubricate all lubrication points indicated in figure 4-2, then wipe the entire machine with an oiled rag in order to protect the surfaces.

PARTS LIST FOR TRAC

MODEL NO. 142-669

| REF. NO. | PART NO. | DESCRIPTION | REF. NO. | PART NO. | DESCRIPTION | REF. NO. | PART NO. | DESCRIPTION |
|----------------|-----------|---|----------|-----------|--|----------|-----------|--|
| 1 | 737-222 | Seat Spring | 65 | 736-159 | Spring Lockwasher 3/8" 5cr. * | 132 | 438-8-568 | Frame Side Plate |
| 2 | 732-266 | Seat Spring | 66 | 710-344 | Hex Hd. Cap Scr. 3/8-16 x 1.50" Lg. * | 133 | 712-121 | Hex Nut 10-24 x .50" Lg. * |
| 3 | 736-921 | Spring Lockwasher 3/8" Scr. * | 67 | 438-8-559 | Head Light Retainer | 134 | 710-198 | Head Light Retainer |
| 4 | 710-365 | Hex Hd. Cap Scr. 1/2-13 x .88 Lg. * | 68 | 736-112 | Hex Sems Scr. 5/16-18 .75" Lg. * | 135 | 710-198 | Hex Sems Scr. 5/16-18 x .350" Lg. * |
| 5 | 710-216 | Hex Hd. Cap Scr. 3/8-16 x .75" Lg. * | 69 | 714-115 | Hex Hd. Cap Scr. 3/8-18 x .350" Lg. * | 136 | 438-9-958 | Grille Assembly |
| 6 | 736-169 | Spring Lockwasher 3/8" Scr. * | 70 | 712-114 | Head Lamp Gasket | 138 | 721-112 | Flat Washer |
| 7 | 438-8-889 | Rear Frame Sub Assembly | 71 | 732-180 | Flat Washer .381" I.D. x .500 O.D. x .063 Thk. | 139 | 736-142 | Flat Washer .381" I.D. x .500 O.D. x .063 Thk. |
| 8 | 736-169 | Extension Spring | 72 | 711-203 | Filler Nut .5cr. 1/4-20 x .75" Lg. * | 140 | 710-279 | Filler Nut .5cr. 1/4-20 x .75" Lg. * |
| 9 | 710-198 | Brake Rod | 73 | 736-234 | Gas Hose 1/2" I.D. x 1/2" O.D. x 10" Lg. * | 141 | 732-153 | Gas Hose 1/2" I.D. x 1/2" O.D. x 10" Lg. * |
| 10 | 710-216 | Spring Lockwasher 3/8" Scr. * | 74 | 714-474 | Hose Clamp 1/2" O.D. * | 142 | 723-157 | Hose Clamp 1/2" O.D. * |
| 11 | 312-895 | Fender—Left Hand | 75 | 736-300 | Gas Filter | 143 | 723-154 | Gas Filter |
| 12 | 736-329 | Spring Lockwasher 3/8" Scr. * | 76 | 726-110 | Gas Hose 1/2" I.D. x 1/2" O.D. x 11 1/2" Lg. * | 144 | 723-152 | Gas Hose 1/2" I.D. x 1/2" O.D. x 11 1/2" Lg. * |
| 13 | 712-287 | Hex Nut 1/2-20 Thd. * | 77 | 736-124 | Truss Hd. Mach. Scr. 1/4-20 x .50" Lg. * | 145 | 710-286 | Truss Hd. Mach. Scr. 1/4-20 x .50" Lg. * |
| 14 | 747-101 | Brake Rod—Hand | 78 | 305-3818 | Spring Lockwasher 5/8" Scr. * | 146 | 736-329 | Spring Lockwasher 5/8" Scr. * |
| 15 | — | Trans Axle | 79 | 732-156 | Hex Nut 1/2-20 Thd. * | 147 | 712-287 | Hex Nut 1/2-20 Thd. * |
| 16 | 901-8022 | Brake Assembly Complete | 80 | 736-258 | Hex Inserted Lock Nut 1/2-20 Thd. * | 148 | 712-324 | Hex Inserted Lock Nut 1/2-20 Thd. * |
| 761-157 | | Brake Disc | 81 | 736-234 | Hood Hd. Cap Scr. 3/8-16 1.00" Lg. * | 149 | 101-013 | Hood Hd. Cap Scr. 3/8-16 1.00" Lg. * |
| 17 | 750-187 | Spacer Tube | 82 | 714-474 | Foot Pedal Assembly | 150 | 710-255 | Foot Pedal Assembly |
| 18 | 712-429 | Hex Inserted Lock Nut 5/16-18 Thd. | 83 | 438-8-653 | Flat Washer .381" I.D. x .87 O.D. x .060 Thk. | 151 | 723-149 | Spring Lockwasher 3/8" Scr. * |
| 19 | 710-494 | Sq. Hd. Cap Scr. 5/16-18 x .88 Lg. * | 84 | 714-474 | Hose Tank—Strap | 152 | 723-151 | Hose Tank—Strap |
| 305 | | Rear Wheel Assy—Complete | 85 | 736-264 | Flat Washer .381" I.D. x .625 O.D. x .063 Thk. | 153 | 712-287 | Flat Washer .381" I.D. x .625 O.D. x .063 Thk. |
| 20 | 734-241 | Foot Mat—Complete | 86 | 710-938 | Scr. Nut 1/4-20 Thd. * | 154 | 438-8-638 | Scr. Nut 1/4-20 Thd. * |
| 21 | 716-102 | Foot Mat—Left Hand | 87 | 711-218 | Clutch Rod | 155 | 710-253 | Clutch Rod |
| 22 | 750-127 | Spacer 1/0-63 L x 1.630 O.D. x 9.75 Lg. | 88 | 736-264 | Flat Washer .381" I.D. x .625 O.D. x .063 Thk. | 156 | 115-156 | Frame Assembly Complete |
| 23 | 722-193 | Conc Nut 3/8-24 Thd. | 89 | 714-474 | Caster Pin 1/4" Dia. x .75" Lg. * | 157 | 723-149 | Spring Lockwasher 3/8" Scr. * |
| 24 | 11313 | Rear Hub Assembly | 90 | 723-156 | Tie Rod End 3/8-24 Thd. | 158 | 736-169 | Tie Rod End 3/8-24 Thd. |
| 25 | 11521 | Lift Handle Assembly | 91 | 712-116 | Hex Inserted Lock Nut 3/8-24 Thd. | 159 | 710-253 | Hex Inserted Lock Nut 3/8-24 Thd. |
| 26 | 722-116 | Gear Shift Knob | 92 | 711-209 | Axle Assembly—Right Hand | 160 | 438-8-618 | Axle Assembly—Right Hand |
| 27 | 735-147 | Foot Mat—Left Hand | 93 | 737-107 | Grease Filling | 161 | 438-8-698 | Grease Filling |
| 28 | 735-148 | Foot Mat—Right Hand | 94 | 736-609 | Callar 3/8" I.D. | 162 | 716-329 | Callar 3/8" I.D. |
| 29 | 11518 | Running Board Assembly—Left Hand | 95 | 711-518 | Sq. Hd. Cap Scr. 5/16-18 x .38" Lg. * | 163 | 712-287 | Sq. Hd. Cap Scr. 5/16-18 x .38" Lg. * |
| 30 | 736-169 | Spring Lockwasher 3/8" Scr. * | 96 | 710-694 | Tie Rod—Lacknut 3/8-16 Thd. | 164 | 712-300 | Tie Rod—Lacknut 3/8-16 Thd. |
| 31 | 70-253 | Hex Hd. Cap Scr. 3/8-16 x 1.00" Lg. * | 97 | 712-181 | Flange Bearing 7/5" I.D. (Front Wheel Hub) | 165 | 438-9-315 | Flange Bearing 7/5" I.D. (Front Wheel Hub) |
| 32 | 725-270 | Solenoid | 98 | 748-711 | Axle Assembly—Left Hand | 166 | 712-312 | Axle Assembly—Left Hand |
| 33 | 732-264 | Extension Spring | 99 | 348-4608 | Front Wheel—Hub Assembly | 167 | 736-207 | Front Wheel—Hub Assembly |
| 34 | 736-188 | Frame Side Hole | 100 | 11526 | Front Wheel Assembly—Complete | 168 | 710-356 | Front Wheel Assembly—Complete |
| 35 | 710-198 | Step Screw—Special Scr. 5/16-18 x .75" Lg. * | 101 | 502-10108 | Front Wheel Assembly—Left Hand | 169 | 710-230 | Front Wheel Assembly—Left Hand |
| 36 | 1504 | Sems Hex Hd. Cap Scr. 5/16-18 x .75" Lg. * | 102 | 710-380 | Briggs and Stratton Part | 170 | 100-994 | Briggs and Stratton Part |
| 37 | 11249 | Locknut Lever (Parking Brake) | 103 | — | Briggs and Stratton Part | 171 | 746-161 | Briggs and Stratton Part |
| 38 | 1505 | Knob (For Lockout Lever) | 104 | — | Briggs and Stratton Part | 172 | 733-205 | Briggs and Stratton Part |
| 39 | 710-198 | Hand Brake Bracket Assembly | 105 | 736-264 | Briggs and Stratton Part | 173 | 723-207 | Briggs and Stratton Part |
| 40 | 70-198 | Sems Hex Hd. Cap Scr. 5/16-18 x .75" Lg. * | 106 | — | Briggs and Stratton Part | 174 | 715-121 | Briggs and Stratton Part |
| 41 | 710-322 | Sems Hex Hd. Cap Scr. 5/16-18 x .75" Lg. * | 107 | — | Briggs and Stratton Part | 175 | 712-222 | Briggs and Stratton Part |
| 42 | 710-258 | Hex Inserted Locknut 3/8-20 x .52" Lg. * | 108 | — | Briggs and Stratton Part | 176 | 711-403 | Briggs and Stratton Part |
| 43 | 725-268 | Safety Switch | 109 | — | Briggs and Stratton Part | 177 | 710-255 | Briggs and Stratton Part |
| 44 | 710-206 | Hex Hd. Cap Scr. 5/16-20 x .88" Lg. * | 110 | — | Briggs and Stratton Part | 178 | 712-324 | Briggs and Stratton Part |
| 45 | 70-143 | Grip—Hand Brake | 111 | 736-329 | Spring Lockwasher 5/8" Scr. * | 179 | 712-894 | Fender—Right Hand |
| 46 | 11513 | Hand Brake Lever | 112 | 710-212 | Bolt Cover Assembly | 180 | 736-119 | Fender—Right Hand |
| 47 | 723-220 | Voltage Regulator | 113 | 312-9284 | Bolt Tapping 5cr. #6-32 x .38" Lg. * | 181 | 712-267 | Bolt Tapping 5cr. #6-32 x .38" Lg. * |
| 48 | — | Part No. 38 | 114 | 710-148 | Hex Nut 5/16-18 Thd. * | 182 | 732-111 | Control Knob |
| 49 | 726-142 | Flat Washer .28" I.D. x .500 O.D. x .063 Thk | 115 | 712-267 | Hex Nut 5/16-18 Thd. * | 183 | 710-192 | Hex Nut 5/16-18 Thd. * |
| 50 | 712-324 | Hex Inserted Locknut 3/8-20 Thd. | 116 | 736-119 | Hex Flange Bearing .630 I.D. | 184 | 712-147 | Hex Flange Bearing .630 I.D. |
| 51 | 711-318 | Sleeve 385 I.D. x 510 O.D. x 1.57" Lg. * | 117 | — | Switch Cover | 185 | 11525 | Switch Cover |
| 52 | 722-324 | Hex Inserted Locknut 3/8-20 Thd. | 118 | — | Hex Inserted Lock Nut 3/8-20 Thd. | 186 | 726-106 | Push-on Flange Bolts |
| 53 | 736-148 | External Lockwasher 3/8" I.D. * | 119 | — | Gas Valve—For Gas Tank (Not Numbered on Illustration) | 188 | 723-159 | Gas Valve—For Gas Tank (Not Numbered on Illustration) |
| 54 | 712-798 | Hax Nut 3/8-16 Thd. * | 120 | 712-134 | Hex Key (Not Shown) | 189 | 723-155 | Hex Key (Not Shown) |
| 55 | 70-258 | Flat Washer .28" I.D. x .500 O.D. x .063 Thk | 121 | — | Hi Pro Key (Not Shown) | 190 | 714-314 | Hi Pro Key (Not Shown) |
| 56 | 732-395 | Spring Lockwasher 3/8" I.D. x .500 O.D. x .063 Thd. * | 122 | 712-267 | Hi Pro Key #10-24 x .38" Lg. * | 191 | 714-113 | Hi Pro Key #10-24 x .38" Lg. * |
| 57 | 712-287 | Lower Mount Bracket Assembly | 123 | 723-145 | Hi Pro Key #10-24 "Type" | 192 | 712-711 | Hi Pro Key #10-24 "Type" |
| 58 | 10043 | Flat Washer | 124 | 711-518 | Hi Pro Key #10-24 "Type" | — | — | Hi Pro Key #10-24 "Type" |
| 59 | 310-7386 | Spur Gear 420 I.D. x .505 O.D. x .317" Lg. * | 125 | 438-8-614 | Hi Pro Key .25 x .75" Dia. (One Under Each Rear Wheel Hub) (Not Shown) | — | — | Hi Pro Key .25 x .75" Dia. (One Under Each Rear Wheel Hub) (Not Shown) |
| 60 | 750-141 | Spur Gear 318" I.D. x 1.00" O.D. x .175" Lg. * | 126 | 712-216 | Hex Nut 3/8-24 Thd. (For Tie Rods) | 193 | 712-711 | Hex Nut 3/8-24 Thd. (For Tie Rods) |
| 61 | 715-247 | Spur Gear 420 I.D. x .505 O.D. x .317" Lg. * | 127 | 712-923 | Front Frame Assembly | — | — | Front Frame Assembly |
| 62 | 748-227 | Spur Gear Flange Bearing 630 I.D. | 128 | 710-380 | Part of Ref. No. 130 | 194 | — | Part of Ref. No. 130 |
| 63 | 717-127 | Spur Gear Flange Bearing 630 I.D. | 129 | — | Part of Ref. No. 131 | — | — | Part of Ref. No. 131 |
| 64 | 310-7386 | Flat Washer | 130 | — | Part of Ref. No. 132 | — | — | Part of Ref. No. 132 |

*For faster service obtain standard nuts, bolts and washers locally. If these items cannot be obtained locally order by part number and size as shown on parts list.

437 — Flag Red) When ordering parts if color or finish is important, use the appropriate color code shown at left. (e.g.
 312 — White) Polar Blue Finish—10094 (438).
 488 — Polar Blue)

The engine is not under warranty by the mower manufacturer. If repairs or service is needed on the engine, please contact your nearest authorized engine service outlet. Check the "Yellow Pages" of your telephone book under "Engines—Gasoline."

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PULLEY ASSEMBLY FOR MODEL 142-669

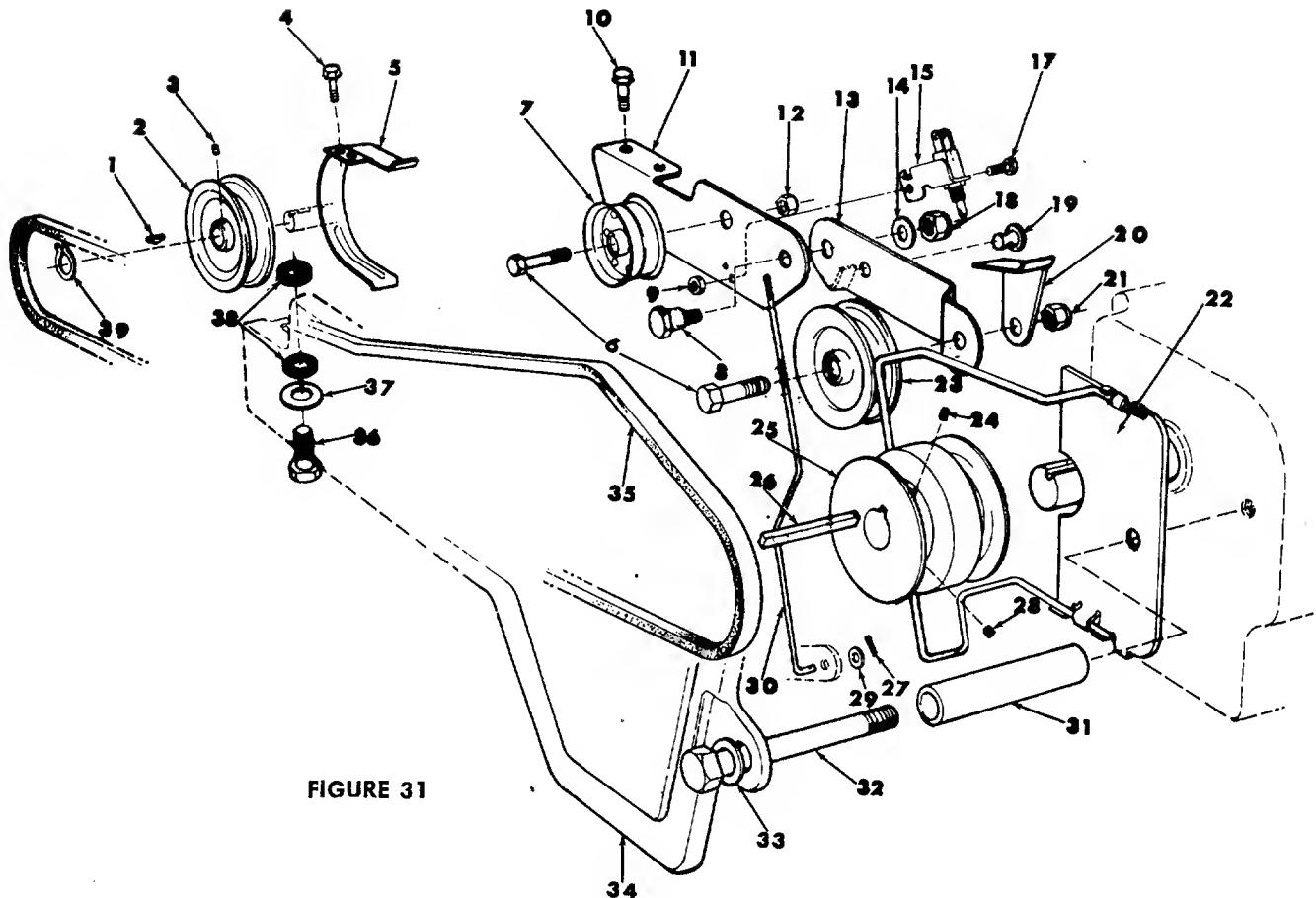


FIGURE 31

PARTS LIST FOR THE PULLEY ASSEMBLY MODEL NO. 142-669

| REF. NO. | PART NO. | DESCRIPTION | REF. NO. | PART NO. | DESCRIPTION |
|----------|----------|--|----------|----------|---|
| 1 | 714-314 | Hi Pra Key 3/16 x 3/4" Dia.* | 21 | 712-116 | Hex Inserted Locknut 3/8-24 Thd. |
| 2 | 756-118 | Pulley 4.75 O.D., .75 I.D. | 22 | 438-8689 | Belt Trapaut Bracket Assembly |
| 3 | 710-494 | Sq. Hd. Set Scr. 5/16-18 x .38" Lg.* | 23 | 756-116 | "V" Idler |
| 4 | 710-198 | Sems Hex Hd. Cap Scr. 5/16-18 x .75" Lg. | 24 | 710-421 | Set Scr. 5/16-18 x 25" Lg.* |
| 5 | 438-8616 | Belt Guard Assembly | 25 | 756-140 | Engine Pulley |
| 6 | 710-459 | Hex Hd. Cap Scr. 3/8-24 x 1.50" Lg.* | 26 | 714-114 | Sq. Key 1/4" x 1/4" x 2.00" Lg.* |
| 7 | 756-117 | Flat Idler | 27 | 714-474 | Catter Pin 1/8" Dia. x .75" Lg.* |
| 8 | 738-143 | Shoulder Bolt | 28 | 710-421 | Set Scr. 5/16-18 x .25" Lg.* |
| 9 | 712-287 | Hex Nut 1/4-20 Thd.* | 29 | 736-264 | Flat Washer .344 I.D. x .625 O.D. x .063 Thk. |
| 10 | 710-198 | Sems Hex Hd. Cap Scr. 5/16-18 x .75" Lg. | 30 | 711-218 | Clutch Rad |
| 11 | 438-8620 | Clutch Mounting Bracket Assembly | 31 | 750-125 | Spacer .525 I.D. x .755 O.D. x 3.01" Lg. |
| 12 | 712-116 | Hex Inserted Locknut 3/8-24 Thd. | 32 | 710-285 | Hex Hd. Cap Scr. 1/2-20 x 3.75" Lg.* |
| 13 | 438-9200 | Clutch Bracket | 33 | 736-114 | Internal Lockwasher .50 I.D. |
| 14 | 736-300 | Flat Washer .385 I.D. x .87 O.D. x .060 Thk. | 34 | 312-8838 | Belt Guard |
| 15 | 725-268 | Safety Switch | 35 | 754-112 | 5L "V" Belt 21/32 x 80" Lg. |
| 17 | 710-258 | Hex Hd. Cap Scr. 1/4-20 x .62" Lg.* | 36 | 710-117 | Hex Hd. Cap Scr. 5/16-24 x 1.00" Lg.* |
| 18 | 712-130 | Hex Inserted Locknut 3/8-16 Thd | 37 | 736-264 | Flat Washer .344 I.D. x .625 O.D. x .063 Thk. |
| 19 | 711-179 | Ferrule | 38 | 735-126 | Rubber Washer .33 I.D. x .87 O.D. x .32 Thk. |
| 20 | 438-8664 | Belt Keeper | 39 | 716-102 | Snap Ring 1.00" Dia. |

*Far faster service obtain standard nuts, bolts and washers locally. If these items cannot be obtained locally order by part number and size as shown on parts list.

ELECTRICAL SYSTEM FOR MODEL NO. 142-669 TRACTOR

FUSE - STANDARD 3AG TYPE 7½ AMPS. 32 VOLTS 1¼" LONG X ¼" DIA. AVAILABLE AT MOST RADIO-TV SHOPS, SERVICE STATIONS AND AUTOMOTIVE STORES.

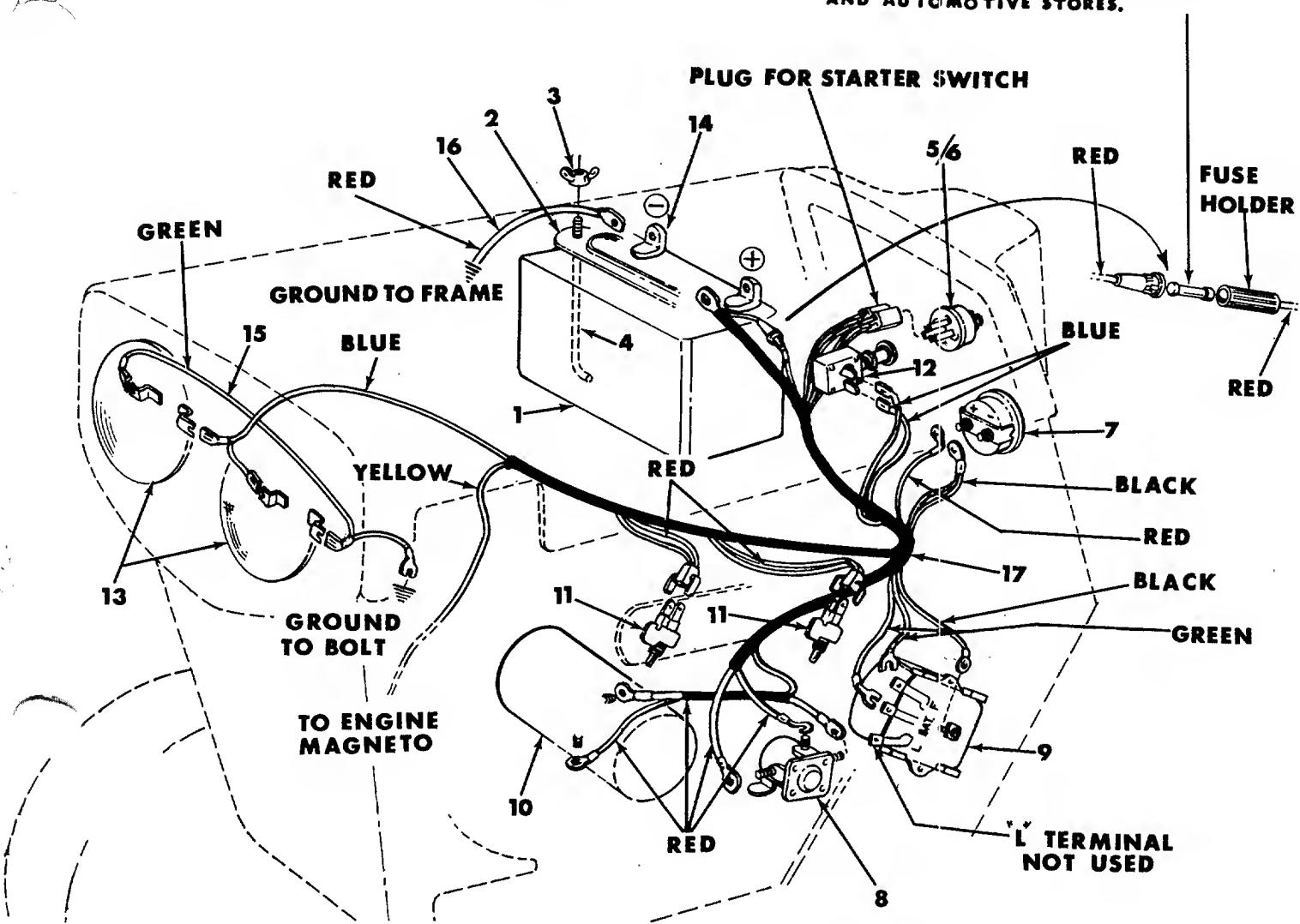


FIGURE 32

PARTS LIST FOR MODEL 142-669 ELECTRICAL SYSTEM

| REF. NO. | PART NO. | DESCRIPTION |
|----------|----------|---|
| 1 | 725-117 | Battery 12 Volt 32 Amp. |
| 2 | 348-8B21 | Battery Hold-down |
| 3 | 712-113 | Wing Nut (2 Req'd) |
| 4 | 711-222 | Battery Hold Down Rod (2 Req'd.) |
| 5 | 725-267 | Ignition Switch |
| 6 | 725- | |
| 7 | 725-119 | Ignition Key |
| 8 | 725-270 | Ammeter |
| 9 | 725-120 | Solenoid |
| 10 | 725-143 | Voltage Regulator |
| 11 | 725-268 | Starter Generator |
| 12 | 725-202 | Safety Switch |
| 13 | 725-222 | Light Switch |
| 14 | 710-258 | Headlamp |
| | 712-287 | Hex Hd. Cap Scw. ¼-20 x ½" Lg.* (2 Req'd.) |
| | 736-329 | Hex Nut ¼-20 Thd.* (2 Req'd) |
| 15 | 725-204 | Spring Lockwasher ¼" Scw.* (2 Req'd) |
| 16 | 725-122 | Electric Wire (Green) |
| 17 | 725-271 | Electric Wire (Red) |
| 18 | 725-29B | Wiring Harness Complete |
| 19 | 712-123 | Fuse 7½ Amp. |
| | | Hex Nut 5/16-24 Thd.* (2 Req'd.) (For Solonoid Terminals) (Not Shown) |

*For faster service obtain standard nuts, bolts and washers locally. If these items cannot be obtained locally order by part number and size as shown on parts list.

PARTS ILLUSTRATION FOR TRANSAXLE (PEERLESS MODEL 1205)

| REF. NO. | PART NO. | DESCRIPTION | REF. NO. | PART NO. | DESCRIPTION |
|----------|----------|--|----------|----------|---|
| 1 | 784095 | Lever & Housing Ass'y (Includes Nos. 2 thru 7) | 35 | 786014 | Spacer |
| 2 | 792016 | Ring, Snap | 36 | 778022 | Gear, Spur (22 Teeth) |
| 3 | 792001 | Ring, Quad | 37 | 786015 | Spacer |
| 4 | 792002 | Pin, Rail | 38 | 778023 | Gear, Spur (16 Teeth) |
| 5 | 784088 | Housing, Shift Lever | 39 | 776015 | Shaft, Input |
| 6 | 784094 | Keeper, Shift Lever | 40 | 778024 | Spur Gear, Input Shaft |
| 7 | 784096 | Lever Shift | 41 | 780001 | Washer |
| 8 | 784056 | Rod Ass'y, Shift (Includes Nos. 9 thru 12) | 43 | 778036 | Spacer |
| 9 | 792003 | Spring | 44 | 778041 | Gear, Output |
| 10 | 792004 | Ball, Steel | 45 | 788008 | Pinion, Output |
| 11 | 784004 | Farb, Shifter | 46 | 782022 | Seal, Oil |
| 12 | 784057 | Rod, Shifter | 46A | 782023 | Hsg. & Bushing Ass'y, L.H. Axle (Includes No. 51) |
| 13 | 784054 | Rod Assembly, Shift (Includes Nos. 9, 10, 11, 14 and 55) | 47 | 772045 | Hsg. & Bushing Ass'y, R.H. Axle (Includes No. 51) |
| 14 | 784055 | Rod, Shifter | 48 | 770033 | Cover Assembly, Transaxle (Includes Nos. 57 & 58) |
| 15 | 774067 | Axle w/2 Key Seats—L.H. | 49 | 792007 | Cose Assembly, Transaxle (Includes Nos. 56 & 57) |
| 15A | 774068 | Axle w/2 Key Seats—R.H. | 50 | 786026 | Screw, Socket Head Cap 1/4-20 x 3/4 |
| 16 | 780042 | Washer, Thrust | 51 | 780054 | Pin, Dowel |
| 17 | 792020 | Screw, Hex Hd. Cap 1/4-20 x 2 1/4 | 52 | 792010 | Bushing, Plug, Pipe |
| 18 | 792006 | Lockwasher, 1/4" | 53 | 778039 | Geor, Bevel |
| 19 | 778033 | Gear, Ring | 54 | 792018 | Ring, Snap |
| 20 | 786019 | Pin, Drive | 55 | 792017 | Ring, Snap |
| 21 | 786027 | Block Drive | 56 | 780011 | Bearing |
| 22 | 778014 | Pinian, Bevel | 57 | 780013 | Bearing |
| 23 | 776022 | Pinian & Bushing Ass'y, Idler | 58 | 780035 | Bearing |
| 25 | 776014 | Shft & Spacing Ass'y, Shifter (Includes No. 26) | 59 | 792012 | Screw, Socket Head Set |
| 26 | 780018 | Boring | 60 | 788009 | %-16 x 3/8 |
| 27 | 778037 | Geor, Idler | 64 | 776008 | Seal, Oil |
| 28 | 776032 | Shft, Idler | 65 | 786008 | Shaft, Reverse Idler |
| 29 | 784074 | Slap, Shifter | 66 | 778016 | Spacer, Reverse Idler |
| 30 | 788026 | Gasket, Cose to Cover | 68 | 780039 | Geor, Shifting |
| 31 | 788003 | Gasket, Shift Lever Housing | 69 | 774029 | Bearing, Thrust |
| 32 | 778019 | Geor, Shifting | 70 | 774028 | Carrier, Differential |
| 33 | 778020 | Geor, Shifting | | | Carrier, Differential |
| 34 | 778021 | Geor, Spur (26 Teeth) | | | Carrier, Differential |

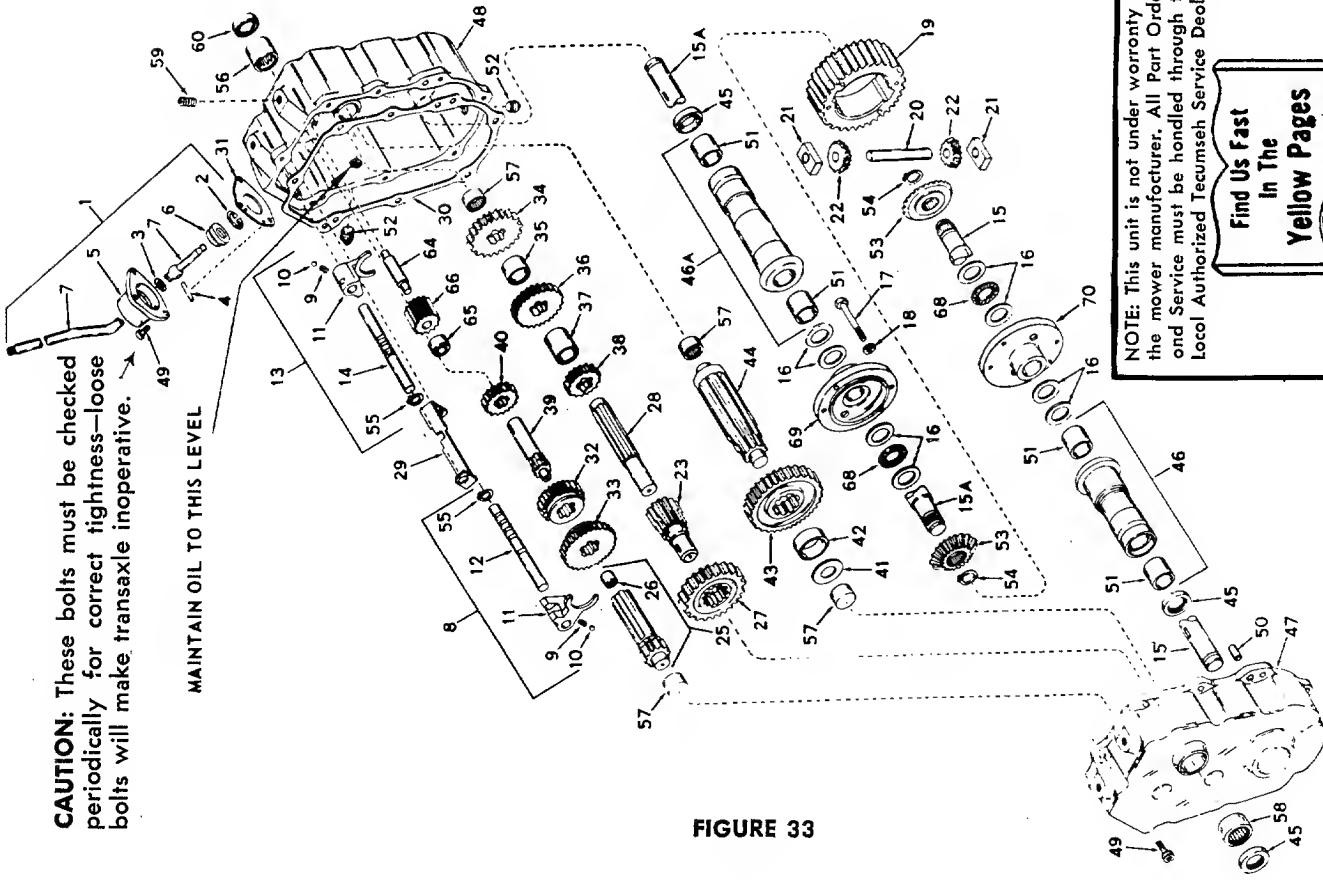


FIGURE 33

NOTE: This unit is not under warranty by the manufacturer. All Part Orders and Service must be handled through the Local Authorized Tecumseh Service Dealer.



PEERLESS MODEL 1205
This unit is under warranty by Tecumseh
Products Company. Parts and Service are
available through all Tecumseh, Louson
Paver Products Service Dealers. Check the
"Yellow Pages" of your telephone direc-
tory under "Engines—Gasoline."

32" MOWING UNIT
MODEL NO. 192-651

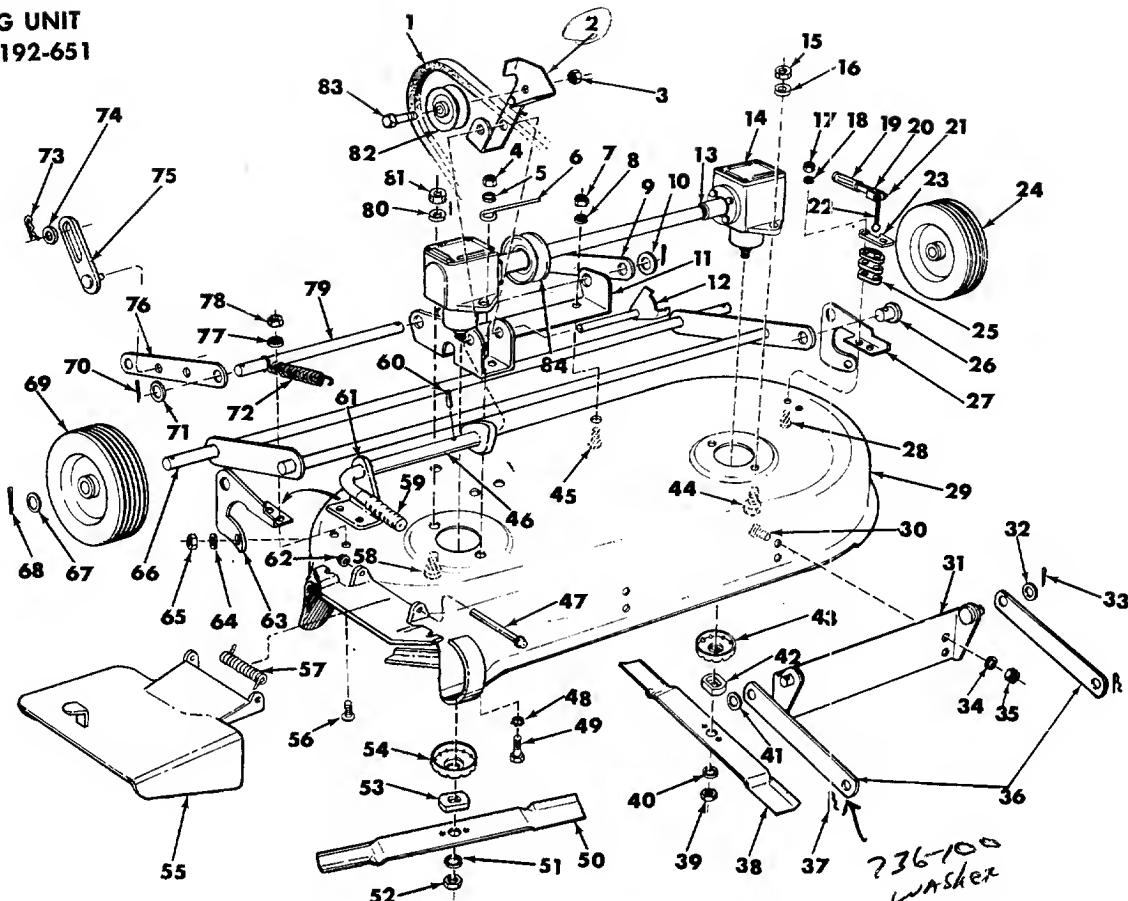


FIGURE 34

PARTS LIST FOR MOWING UNIT 192-651

| REF NO. | PART NO. | DESCRIPTION | REF NO. | PART NO. | DESCRIPTION |
|---------|----------|---|---------|-----------|---|
| 1 | 754-113 | 5L "V"-Belt 21/32 x 48" Lg. | 44 | 710-253 | Hex Hd. Cap Scr. 3/8-16 x 1.00" Lg.* |
| 2 | 310-8627 | Idler Bracket Assembly | 45 | 710-260 | Carriage Bolt 5/16-18 x .62" Lg.* |
| 3 | 712-116 | Hex Inserted Locknut 3/8-24 Thd. | 46 | 11502 | Lockout Handle Assembly |
| 4 | 712-711 | Hex Jam Nut 3/8-24 Thd. | 47 | 711-571 | Pivot Pin |
| 5 | 736-169 | Spring Lockwasher 3/8" Scr.* | 48 | 736-148 | External Lockwasher 3/8" Scr.* |
| 6 | 723-148 | Belt Guard | 49 | 710-191 | Hex Hd. Cap Scr. 3/8-24 x 1.25" Lg.* |
| 7 | 712-267 | Hex Nut 5/16-18 Thd.* | 50 | 742-119 | Blade 16 inch |
| 8 | 736-119 | Spring Lockwasher 5/16" Scr.* | 51 | 736-158 | Spring Lockwasher 5/16" Scr.* |
| 9 | 11506 | Deck Link | 52 | 712-923 | Hex Center Locknut 5/16-18 Thd.* |
| 10 | 736-116 | Flat Washer .635 I.D. x .930 O.D. x .050 Thk. | 53 | 748-140 | Drive Collar |
| 11 | 438-8652 | Rear Deck Bracket | 54 | 310-8855 | Drive Cup |
| 12 | 11514 | Lockout Bracket Assembly | 55 | 11633-230 | Chute Deflector |
| 13 | 716-107 | "E"-Ring | 56 | 710-240 | Carriage Bolt 5/16-18 x .62" Lg.* |
| 14 | — | Right Angle Drive Assembly | 57 | 732-261 | Torsion Spring |
| 15 | 712-798 | Hex Nut 3/8-16 Thd.* | 58 | 710-253 | Hex Hd. Cap Scr. 3/8-16 x 1.00" Lg.* |
| 16 | 736-169 | Spring Lockwasher 3/8" Scr.* | 59 | 720-152 | Grip |
| 17 | 712-267 | Hex Nut 5/16-18 Thd.* | 60 | 715-247 | Spiral Pin 3/16" Dia. x 1.00" Lg.* |
| 18 | 736-119 | Lockwasher 5/16" Scr.* | 61 | 11505 | Support Bracket |
| 19 | 305-2186 | Handle Grip | 62 | 726-106 | Push-on Flange Nut |
| 20 | 310-8696 | Adjustment Handle Assembly | 63 | 438-8636 | Mounting Bracket—Right Hand |
| 21 | 715-103 | Spiral Pin 1/8" Dia. x .75" Lg. | 64 | 736-119 | Spring Lock Washer 5/16" Scr.* |
| 22 | 711-204 | Adjustment Screw | 65 | 712-267 | Hex Nut 5/16-18 Thd.* |
| 23 | 310-8634 | Keeper Plate | 66 | 438-8684 | Wheel Bracket Assembly |
| 24 | 734-225 | Wheel Assembly Complete 6.0" Dia. | 67 | 736-116 | Flat Washer .635 I.D. x .930 O.D. x .050 Thk. |
| 25 | 310-8633 | Spacer Plate | 68 | 714-115 | Cutter Pin 1/8" Dia. x 1.00" Lg.* |
| 26 | 711-202 | Adjustment Ferrule | 69 | 734-225 | Wheel Assembly Complete 6.0" Dia. |
| 27 | 438-8637 | Mounting Bracket—Left Hand | 70 | 714-115 | Cutter Pin 1/8" Dia. x 1.00" Lg.* |
| 28 | 710-161 | Carriage Bolt 5/16-18 x 1.25" Lg.* | 71 | 736-116 | Flat Washer .635 I.D. x .930 O.D. x .050 Thk. |
| 29 | 11523 | Deck Assembly | 72 | 732-178 | Extension Spring |
| 30 | 710-260 | Carriage Bolt 5/16-18 x .62" Lg.* | 73 | 714-101 | Hairpin Cutter 1/8" Dia. |
| 31 | 438-8666 | Front Bracket Assembly | 74 | 736-160 | Flat Washer .531 I.D. x .93 O.D. x .050 Thk. |
| 32 | 736-160 | Flat Washer .531 I.D. x .93 O.D. x .050 Thk. | 75 | 11516 | Lockout Link Assembly |
| 33 | 714-115 | Cutter Pin 1/8" Dia. x 1.00" Lg.* | 76 | 11506 | Deck Link |
| 34 | 736-119 | Spring Lockwasher 5/16" Scr.* | 77 | 736-119 | Spring Lock Washer 5/16" Scr.* |
| 35 | 712-267 | Hex Nut 5/16-18 Thd.* | 78 | 712-267 | Hex Nut 5/16-18 Thd.* |
| 36 | 11506 | Deck Link | 79 | 438-8668 | Shaft |
| 37 | 714-101 | Hair Pin Cutter 1/8" Dia. | 80 | 736-169 | Spring Lock Washer 3/8" Scr.* |
| 38 | 742-119 | Blade 16 inch | 81 | 712-798 | Hex Nut 3/8-16 Thd.* |
| 39 | 712-923 | Hex Center Locknut 5/16-18 Thd. | 82 | 756-116 | "V"-Idler |
| 40 | 736-158 | Spring Lockwasher 5/16" Scr.* | 83 | 710-459 | Hex Hd. Cap Scr. 3/8-24 x 1.50" Lg. |
| 41 | 736-160 | Flat Washer .531 I.D. x .93 O.D. x .050 Thk. | 84 | 756-184 | Pulley 3.25 O.D. x 3/8" I.D. |
| 42 | 748-140 | Drive Collar | 85 | 710-765 | Set Scr. 5/16-24 x .25" Lg.* (2-Req'd.) (Not Shown) |

KE11 714-12

*For faster service obtain standard nuts, bolts and washers locally. If these items cannot be obtained locally order by part number and size as shown on parts list.

RIGHT ANGLE DRIVE MODEL NO. (PEERLESS MODEL RA 15752)

FOR 32" MOWING UNIT 192-651

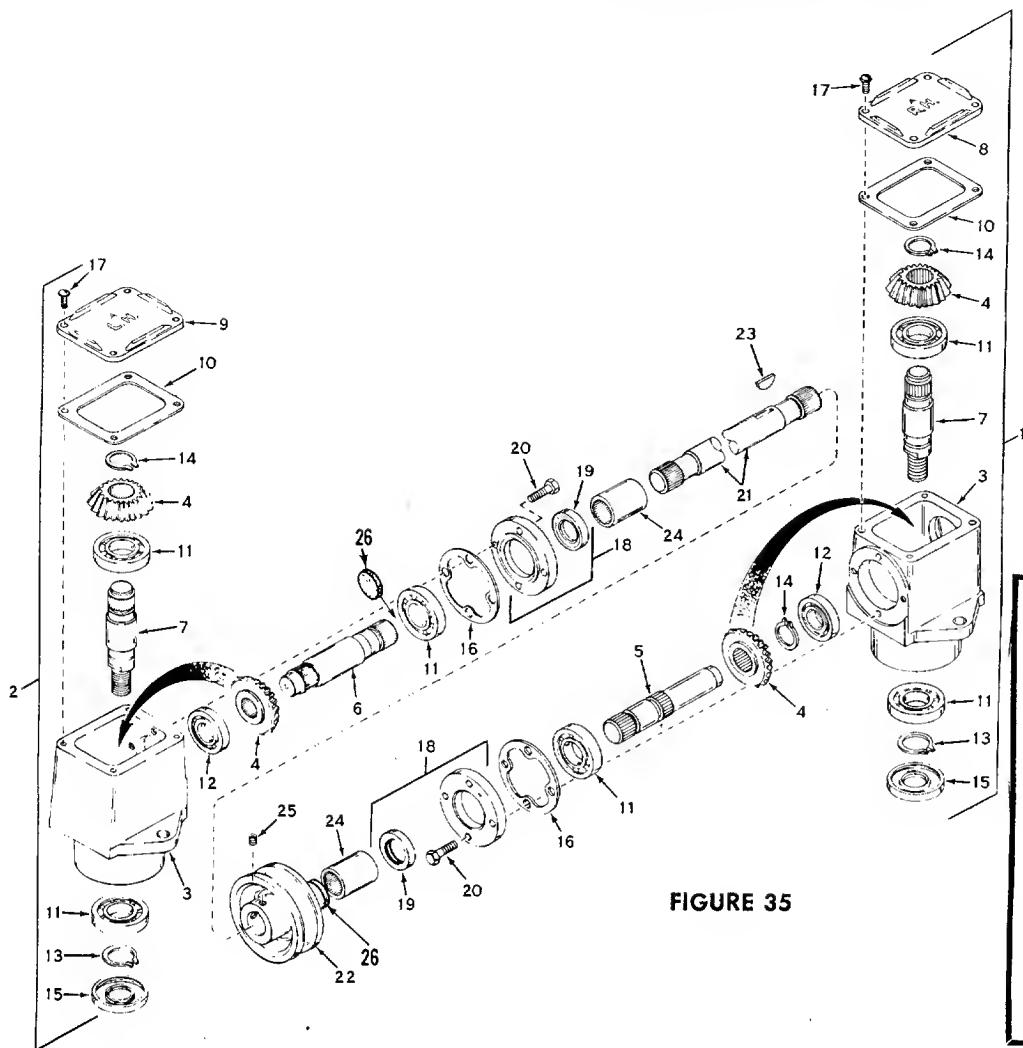


FIGURE 35

NOTE: This unit is not under warranty by the mower manufacturer. All Part Orders and Service must be handled through the Local Authorized Tecumseh Service Dealer.



PEERLESS MODEL

This unit is under warranty by Tecumseh Products Company. Parts and Service are available through all Tecumseh, Lauson Power Products Service Dealers. Check the "Yellow Pages" of your telephone directory under "Engines—Gasoline."

PARTS LIST FOR RIGHT ANGLE DRIVE MODEL NO. (PEERLESS MODEL RA 15752)

| Ref. No. | Part Number | PART NAME |
|----------|-------------|--|
| 1 | 794001 | Head Assy., Right Hand (Incl. Nos. 3, 4, 5, 7, 8 and 10 thru 18) |
| 2 | 794002 | Head Assy., Left Hand (Incl. Nos. 3, 4, 6, 7, and 9 thru 18) |
| 3 | 770026 | Housing, Right Angle Drive |
| 4 | 778046 | Gear, Miter |
| 5 | 776040 | Shaft, Input Pinion |
| 6 | 776041 | Shaft, Input Pinion |
| 7 | 776042 | Shaft, Output |
| 8 | 772034 | Cover, Right Hand |
| 9 | 772035 | Cover, Left Hand |
| 10 | 788028 | Gasket, Cover |
| 11 | 780034 | Bearing, Ball |
| 12 | 780024 | Bearing, Ball |
| 13 | 788019 | Ring, Snap |
| 14 | 788018 | Ring, Snap |
| 15 | 788029 | Seal, Oil |
| 16 | 788030 | Gasket, Cap |
| 17 | 792025 | Screw, Rd. Hd. Self Tap, 10-24 x 1/2 |
| 18 | 786029 | Cap & Seal Assy., Retainer (Incl. Nos. 19 & 20) |
| 19 | 788031 | Seal, Oil |
| 20 | 792026 | Screw, Hex Hd., 1/4-20 x 7/8 |
| 21 | 776043 | Shaft, Input Connector |
| 22 | 786037 | Sheave |
| 23 | 786184 | Key, Woodruff, 3/16 x 3/4 |
| 24 | 786031 | Coupling, Input Shaft |
| 25 | 792027 | Set Screw, Knurled Hd. Cup Pt., 5/16-24 x 1/4 |
| 26 | 1408-X1 | Felt Disc |

714-126

788039

BATTERY WARRANTY CERTIFICATE

The following general warranty policy applies to all batteries sold by IBMA members using this warranty. The nationwide warranty applies only to batteries bearing the IBMA seal of approval.

All new batteries sold by IBMA members carry a warranty against faulty material or workmanship for 90 days from date of purchase. A faulty battery is to be adjusted, repaired or replaced with a new battery by an IBMA member, jobber or dealer only, or the warranty becomes void. An IBMA type battery that is faulty within the 90 day period is to be repaired or replaced with a new battery F.O.B. any IBMA factory supplier or any IBMA authorized dealer, without charge.

Your battery carries a further warranty on a pro-rata adjustment basis covering the number of months determined by the class of service and type of battery. In determining the exchange cost of a new battery, charges will be made for months of service used and the warranty is valid to the original purchaser only.

IBMA approved factory suppliers, as well as all IBMA authorized dealers, are to honor this Warranty. If your IBMA approved battery carries the IBMA seal of approval, this Warranty is to be honored by dealers handling IBMA approved batteries everywhere. (Independent Battery Manufacturers Association, Inc.)

Failures in service that are caused by fire, collision, freezing, abuse, faulty electrical equipment or the use of a battery of a group size smaller or specifications lower than the original battery are not covered by this policy.

BATTERY MANUFACTURER MEMBERSHIP LIST

| ALABAMA | Express Bty. Div. | Contract Bty. Mfg. | Shreveport | Maryland Heights | OREGON | Memphis |
|-------------------------|---------------------|---------------------|---------------------|---------------------|--------------------|-------------------|
| Birmingham | Leeth Brothers | Yocom Batteries | Central Bty. | Electro Bty. Mfg. | Beaverton | Central Battery |
| Southern Bty. | | ILLINOIS | MARYLAND | Sikeston | Western Bty., Inc. | Loher Bty. Prod. |
| Yocom Batteries | Fort Lauderdale | Belleville | Baltimore | Electro Bty. | Portland | Southern Bty. |
| Mable | Flarido Bty. | Bell City Bty. Mfg. | East Penn Mfg. | NEW JERSEY | Loher Bty. Prod. | Nashville |
| Yocom Batteries | Hialeah | Chicago | MASSACHUSETTS | Atlantic City | PENNSYLVANIA | Electro-Lite Bty. |
| Montgomery | East Penn Mfg. | Illinois Bty. Mfg. | Watertown | Londis Battery | Altoona | Southern Bty. |
| Ebco Battery | Jacksonville | Universol Bty. | Atlantic Bty. | NEW MEXICO | East Penn Mfg. | TEXAS |
| ALASKA | Tropex Batteries | Voltco Bty. Corp. | DETROIT | Albuquerque | Erie | Dallas |
| Anchorage | Yocom Batteries | Pearia | Batteries Mfg. | Sondio Bty. Mfg. | New Castle Bty. | Cantinentol Bty. |
| Alaska Husky Bty. Miami | | Red Diamond Bty. | INDIANA | NEW YORK | Lancaster | Reliable Battery |
| ARKANSAS | Tropex Batteries | | Muncie | Buffalo | Loconster Bty. | El Paso |
| Hot Springs | Yocom Batteries | | Stout Storage Bty. | East Penn Mfg. | Lyon Station | El Posa Bty. |
| Red Diamond Bty. | Orlando | INDIA | DETROIT | Lackport | East Penn Mfg. | Houston |
| CALIFORNIA | Yocom Batteries | INDIANA | Madison Heights | Great Lakes Battery | New Castle | Texford Bty. Ca. |
| Los Angeles | Pensacola | Muncie | C & W Lektro | NORTH CAROLINA | New Castle Bty. | Reliable Battery |
| Estee Battery | Yocom Batteries | St. Petersburg | Warren | Cherlattie | Philadelphia | San Antonio |
| Laheh Bty. Prod. | | Electro Battery Co. | ABC Batteries | Yocom Batteries | East Penn Mfg. | Reliable Battery |
| Oakland | | Tampa | Hally | Thamasville | Pittsburgh | UTAH |
| Laheh Bty. Prod. | | Bilt-Rite Bty. Mfg. | Detroit Battery | East Penn Mfg. | Siman Bty. & Res. | Salt Lake City |
| Sacramento | Contract Bty. Mfg. | Contract Bty. Mfg. | Madison Heights | OHIO | Geidel Bty. Div. | Laheh Bty. Prod. |
| Laheh Bty. Prod. | DeSata Bty. & Elec. | DeSata Bty. & Elec. | C & W Lektro | Akron | RHODE ISLAND | VIRGINIA |
| San Francisca | Tropex Batteries | Tropex Batteries | Council Bluffs | Crown Battery | Pravidence | Arlington |
| Amp King Bty. | Yocom Batteries | Yocom Batteries | Reliance Bty. Prod. | Cincinnati | Pilot Mfg., Inc. | Express Bty. Div. |
| Loher Bty. Prod. | GEORGIA | GEORGIA | Des Moines | Moore Battery | SOUTH CAROLINA | Leeth Bros. |
| Pico Bty. Mfg. | Albany | Albany | Voltmaster | Jackson | Columbio | Lynchburg |
| Stocktan | Ebco Battery | Ebco Battery | KENTUCKY | Central Bty. | Yocom Batteries | Hydrote Battery |
| Stacktan Battery | Atlanta | Atlanta | Electro-Lite Bty. | New Albany | TENNESSEE | WASHINGTON |
| COLORADO | Ebco Battery | | | Loher Bty. Prod. | Chattanooga | Seattle |
| Denver | Southern Bty. | LOUISIANA | | MISSOURI | Columbus | Loher Bty. Prod. |
| Moore Battery | Yocom Batteries | New Orleans | | Joplin | Crown Battery | Spokane |
| D. C. | Columbus | Central Bty. | | Lead Products | Fremont | Loher Bty. Prod. |
| Washington | Ebco Battery | Reliable Bty. | | | Knoxville | CANADA |

WARRANTY

For one year from date of purchase, MTD Products Inc will replace for the original purchaser, free of charge, F.O.B. factory or authorized service firm, any part or parts found to be defective in material or workmanship. All transportation charges on parts submitted for replacement under this warranty must be paid by the purchaser. This warranty does not include replacement of parts which become inoperative through misuse, excessive use, accident, neglect, improper maintenance or alterations by unauthorized persons. This warranty does not include the engine, motor, battery, battery charger or any component parts thereof. For service on these units refer to the applicable manufacturer's warranty.

The above warranty will apply only to the original owner and will be effective only if the warranty card has been properly processed. It will not apply where the unit has been used commercially.

Warranty service is available through your local authorized service dealer or distributor. UNDER NO CIRCUMSTANCES WILL THE RETURN OF A COMPLETE UNIT BE ACCEPTED BY THE FACTORY UNLESS PRIOR WRITTEN PERMISSION HAS BEEN EXTENDED.

PARTS INFORMATION

MOWER, TILLER, SNOW THROWER AND TRACTOR PARTS

Mower, tiller, snow thrower and tractor parts are available through the authorized service firms listed below. All orders should specify the model number of your unit, parts numbers, description of parts and the quantity of each part required.

A 1 Engine & Mower Co.
327 East 9th Street
Salt Lake City, Utah 84102

American Electric Ignition Co.
124 N. W. 8th Street
Oklahoma City, Oklahoma 73102

Auto Electric & Carburetor Co.
2625 4th Avenue, S.
P. O. Box 1948
Birmingham, Alabama 35233

Automotive Equipment Service Co.
3117 Holmes Street
Kansas City, Missouri 64109

Bailey's Rebuild Inc.
1325 E. Madison Street
Seattle, Washington 98102

Brown Equipment Distributor Inc.
110 Beech Street
Corydon, Indiana 47112

Bullard Supply
2409 Commerce Street
Houston, Texas 77003

Center Supply Company
6867 New Hampshire Avenue
Takoma Park, Maryland 20012

R. T. Clapp Co.
2016 Magnolia Ave., N. E.
Knoxville, Tennessee 37917

W. B. Clements
400 Salem Avenue
Roanoke, Virginia 24016

Morton B. Collins Co.
300 Birnie Avenue
Springfield, Massachusetts 01107

Dixie Sales Company
P. O. Box 1408
327 Battleground Avenue
Greensboro, North Carolina 27402

East Point Cycle & Key Shop
1617 Whiteway
East Point, Georgia 30044

Gamble Distributors
West End Avenue
Carthage, New York 13619

Garden Equipment Co., Inc.
6600 Cherry Avenue
Long Beach, California 90805

Henzler, Inc.
2015 Lemay Ferry Road
St. Louis, Missouri 63125

Frank E. Ives & Son
1101 Lincoln Avenue
Prospect Park, Pennsylvania 19076

J. W. Jewett Co.
981 Folsom Street
San Francisco, California 94107

Kenton Supply
8216 North Denver Avenue
Portland, Oregon 97217

Kimber's Inc.
615 W. Genesee Street
Syracuse, New York 13204

Marr Brothers
423 E. Jefferson
Dallas, Texas 75203

Mathews Auto Electric Co.
420 East 2nd Street
Tulsa, Oklahoma 74120

McClure Lawn & Garden Supply
1114 Lexington Avenue
Mansfield, Ohio 44907

Memphis Cycle & Supply Co.
421 Monroe Avenue
Memphis, Tennessee 38103

ENGINE PARTS AND SERVICE

Engine parts and service should be handled by your nearest authorized engine service firm. Check the yellow pages of your telephone directory under the listing *Engines — Gasoline*, Briggs and Stratton or Tecumseh Lauson — Power Products.

Moz-All of Florida, Inc.
365 Greco Avenue
Coral Gables, Florida 33146

National Central, Div. of Joe Sterling, Inc.
Drawer "D" 687 Seville Rd.
Wadsworth, Ohio 44281

Power Equipment Distributor
36463 So. Gratiot Avenue
Mt. Clemens, Michigan 48043

Parts & Sales Inc.
335 West St. Charles Road
Villa Park, Illinois 60181

Power Lawn & Garden Equip. Co.
2551-2571 J. F. Kennedy Road
Dubuque, Iowa 52001

Raub Supply Company
James & Mulberry Sts.
Lancaster, Pennsylvania 17604

Radco Distributors
2403 Market Street
P. O. Box 3216
Jacksonville, Florida 32206

Richmond Battery & Ignition
P. O. Box 25369 — 957 Myers St.
Richmond, Virginia 23260

Smith Hardware Company
515 N. George Street
Goldsboro, North Carolina 27530

South Denver Lawn Equip. Co.
527 West Evans
Denver, Colorado 80223

Suhren Engine
8330 Earhart Blvd.
New Orleans, Louisiana 70118

Sutton's Lawn Mower Shop
Route 4, Box 343
North Little Rock, Arkansas 72117

Warner Equipment
7520 Lyndale Avenue, So.
Minneapolis, Minnesota 55423